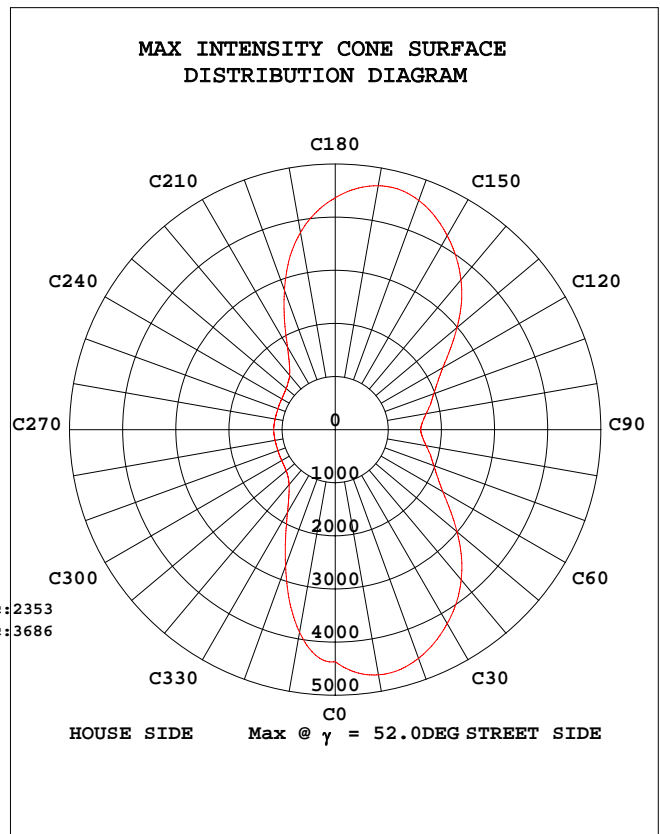
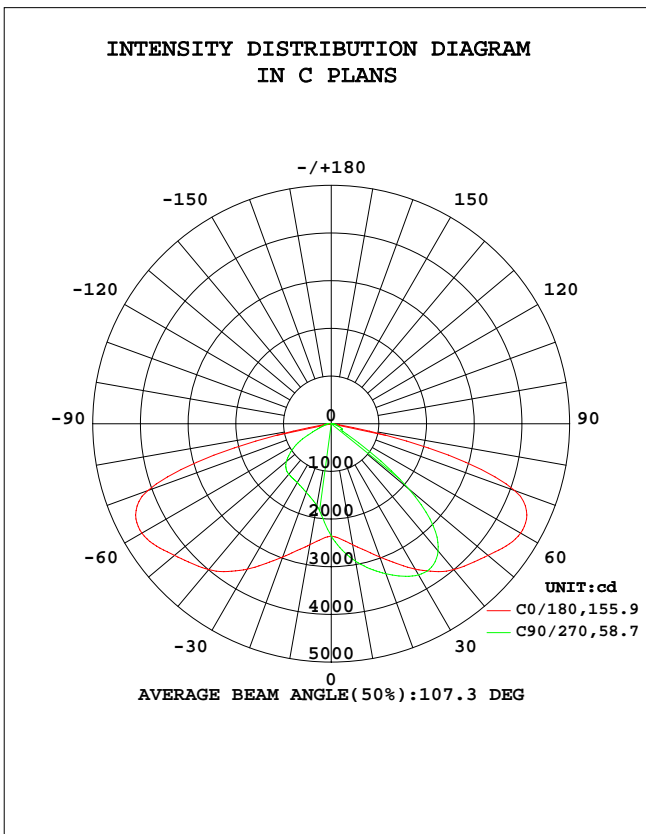


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 182.22 lm/W			
MODEL	5050	I _{max} (cd)	4680	η street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	63.5
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	10890	η house_up(%)	0.0
NOMINAL FLUX(lm)	10890.5	MAXIMUM @(C,γ)	165,52.0	η house_down(%)	36.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.561

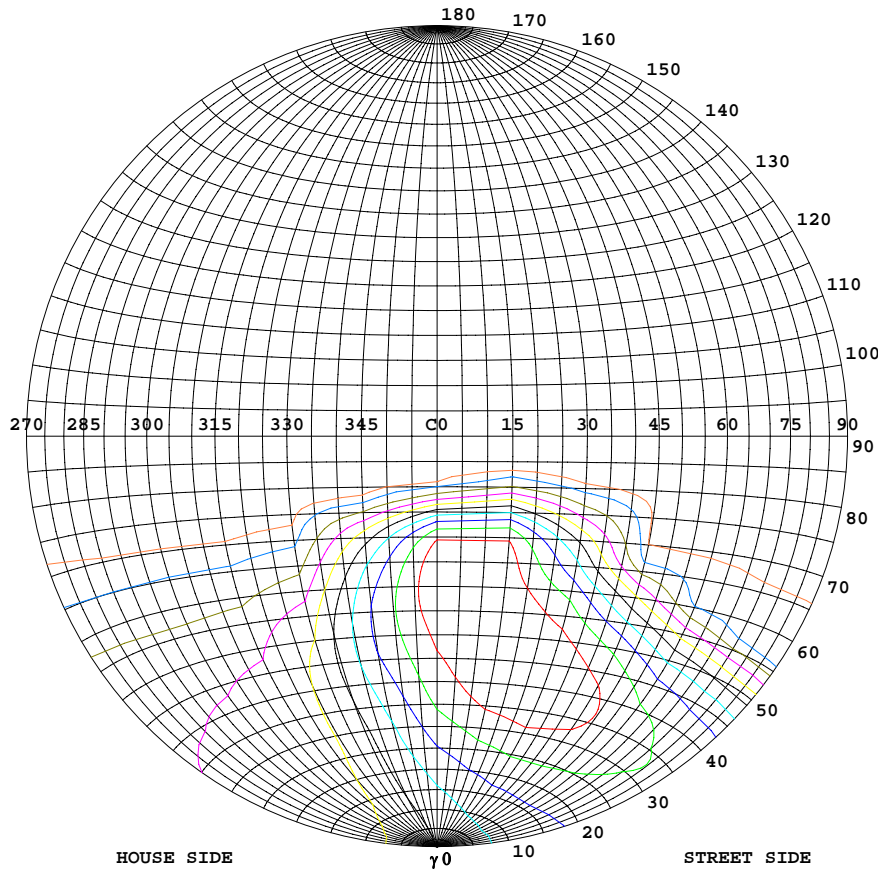


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



Classification:

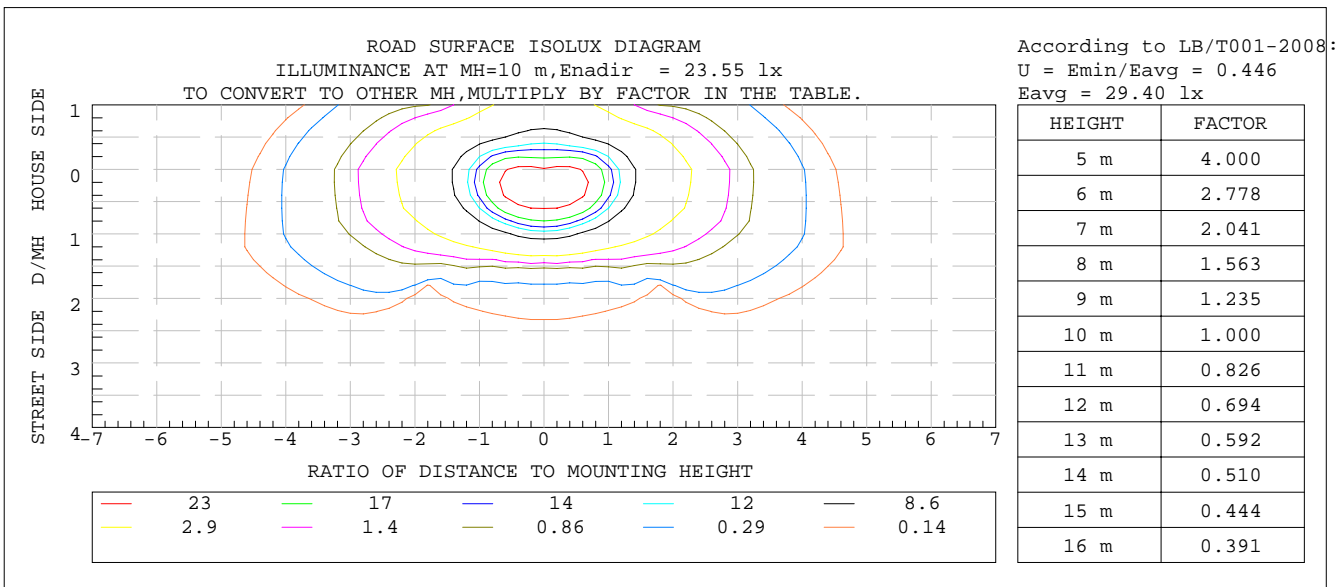
IES:Type II - Short
 CIE:Narrow - Short
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:89.64cd/klm
 Max.At90:0cd/klm
 Max.80-90:89.64cd/klm
 NRB 5101:Semi limited[22.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4680
90%	4212
80%	3744
70%	3276
60%	2808
50%	2340
40%	1872
30%	1404
20%	936
10%	468
5%	234

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [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: 2020-12-18

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

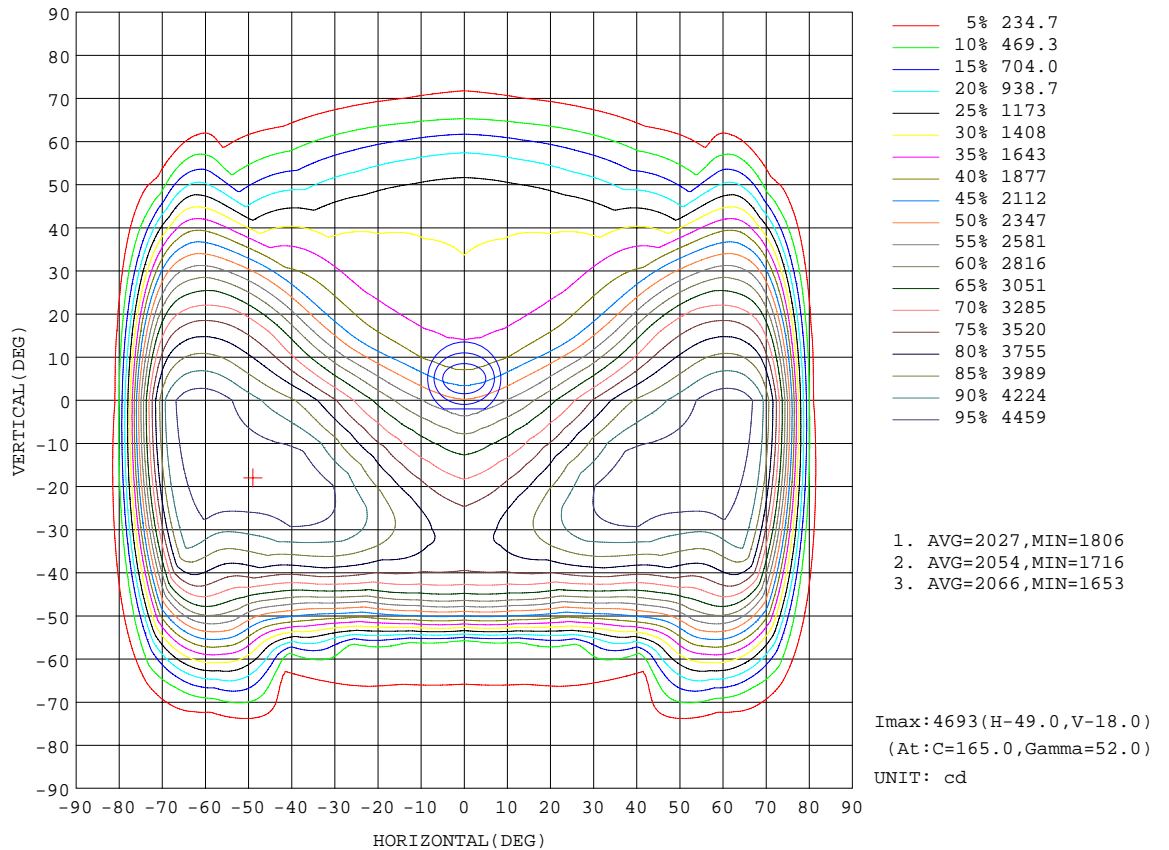
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	2576	2912	2924	2912	2576	1982	1745	1982	0- 10	229.9	229.9	2.11,2.11
20	2973	3485	3347	3485	2973	1773	1534	1773	10- 20	728.1	958.0	8.8,8.8
30	3520	4084	3660	4084	3520	1678	1425	1678	20- 30	1305	2263	20.8,20.8
40	3994	4295	3487	4295	3994	1578	1385	1578	30- 40	1905	4167	38.3,38.3
50	4296	3620	2113	3620	4296	1338	1228	1338	40- 50	2274	6442	59.2,59.2
60	4585	1954	238.0	1954	4585	839.1	804.4	839.1	50- 60	2065	8507	78.1,78.1
70	4092	235.7	182.1	235.7	4092	258.1	272.6	258.1	60- 70	1539	10046	92.2,92.2
80	471.7	114.8	82.65	114.8	471.7	91.31	125.3	91.31	70- 80	768.6	10815	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	75.53	10890	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10890	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10890	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10890	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10890	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10890	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10890	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10890	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10890	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10890	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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

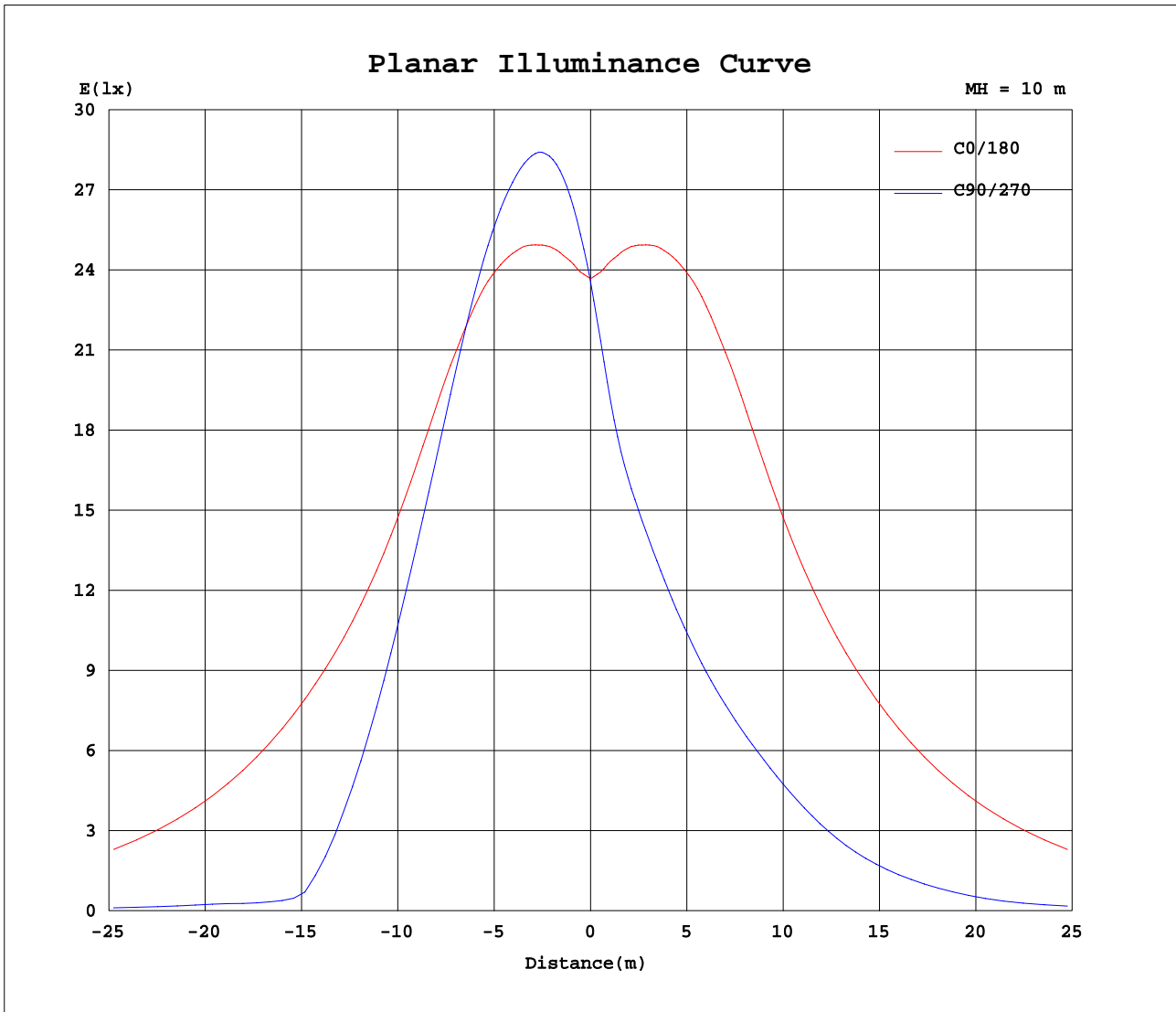
Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.682m [K=1.0000]
 Remarks:

Planar Illuminance Curve



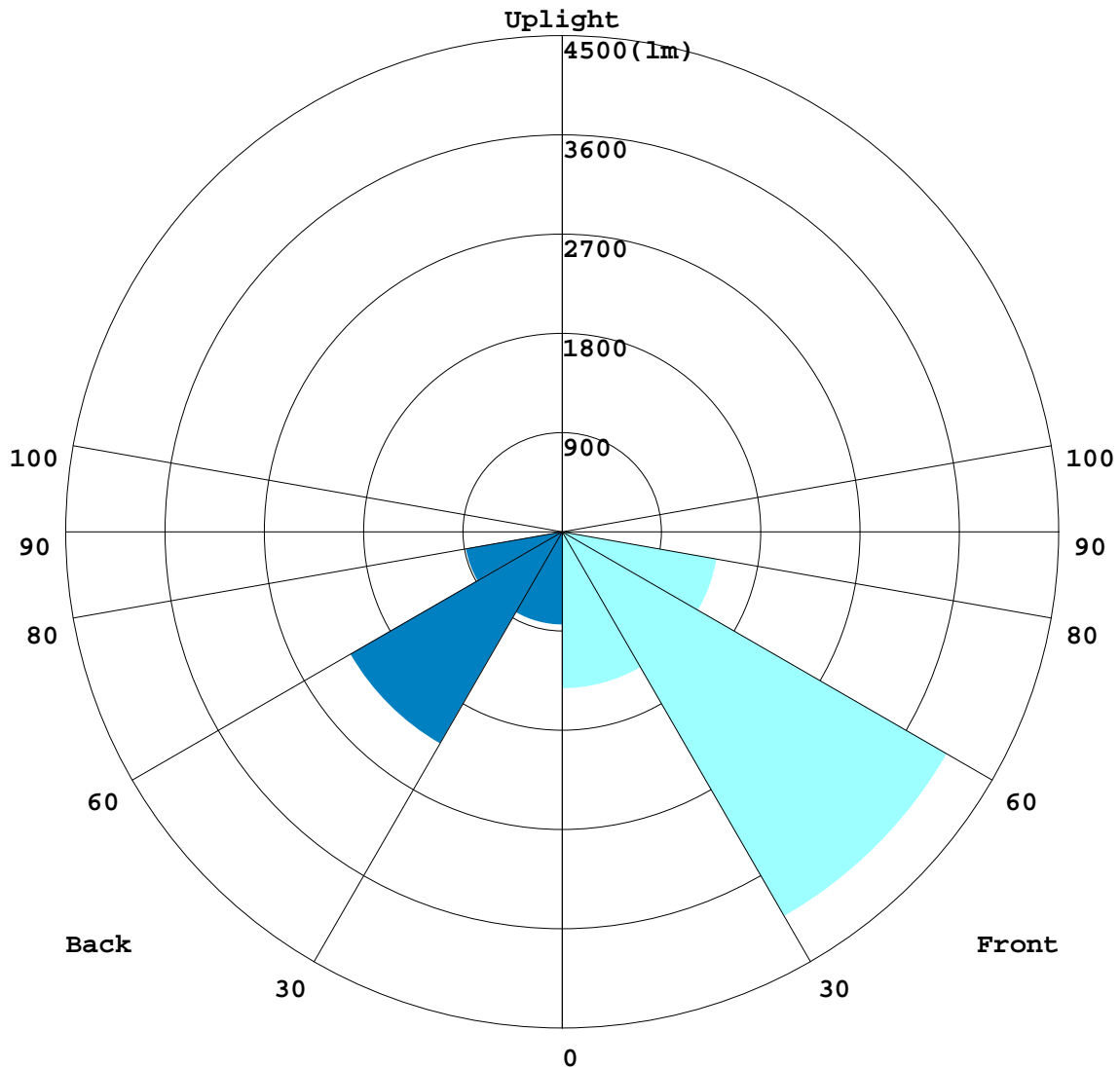
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.682m [K=1.0000]
 Remarks:

LCS REPORT

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

BUG REPORT

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-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)	1420.4	13.0
FM - Front-Medium(30-60)	4027.1	37.0
FH - Front-High(60-80)	1422.6	13.1
FVH - Front-Very High(80-90)	45.402	0.4
Total Forward Light	6915.5	63.5

BL - Back-Low(0-30)	842.19	7.7
BM - Back-Medium(30-60)	2217.3	20.4
BH - Back-High(60-80)	885.43	8.1
BVH - Back-Very High(80-90)	30.131	0.3
Total Back Light	3975	36.5

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	3975	0	3975
Street Side	6915.5	0	6915.5

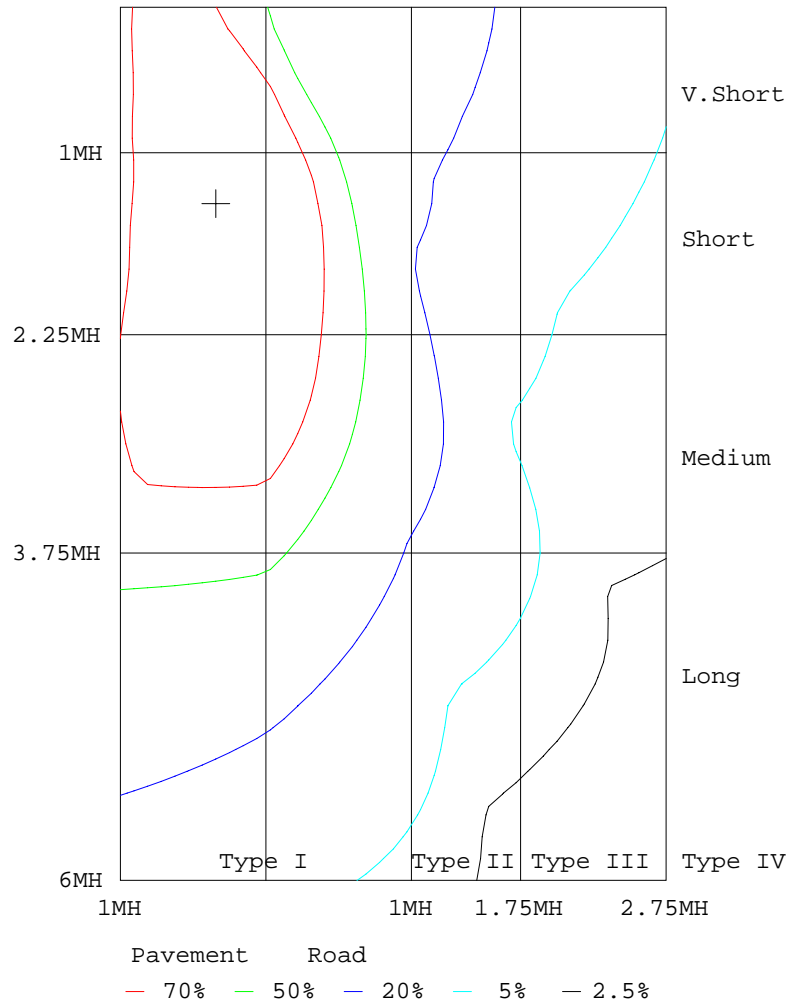
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	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	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353	2353
5	2434	2515	2579	2627	2649	2668	2662	2668	2649	2627	2579	2515	2434	2338	2238	2150	2074	2022	1999
10	2576	2722	2834	2912	2939	2949	2924	2949	2939	2912	2834	2722	2576	2386	2174	1982	1847	1777	1745
15	2751	2957	3106	3184	3202	3196	3150	3196	3202	3184	3106	2957	2751	2468	2137	1857	1716	1652	1620
20	2973	3250	3419	3485	3457	3420	3347	3420	3457	3485	3419	3250	2973	2565	2088	1773	1632	1568	1534
25	3231	3575	3756	3794	3717	3626	3528	3626	3717	3794	3756	3575	3231	2674	2032	1715	1571	1506	1470
30	3520	3919	4104	4084	3913	3761	3660	3761	3913	4084	4104	3919	3520	2768	2013	1678	1524	1463	1425
35	3782	4249	4401	4285	3968	3764	3670	3764	3968	4285	4401	4249	3782	2908	2028	1638	1487	1435	1402
40	3994	4485	4572	4295	3806	3577	3487	3577	3806	4295	4572	4485	3994	3071	2033	1578	1444	1406	1385
45	4141	4604	4564	4063	3411	3148	3020	3148	3411	4063	4564	4604	4141	3244	1997	1485	1371	1347	1340
50	4296	4672	4342	3620	2715	2320	2113	2320	2715	3620	4342	4672	4296	3333	1879	1338	1236	1224	1228
55	4475	4654	4002	2871	1704	1009	702	1009	1704	2871	4002	4654	4475	3307	1631	1119	1030	1025	1041
60	4585	4530	3539	1954	499	254	238	254	499	1954	3539	4530	4585	3135	1236	839	785	780	804
65	4528	4422	2919	809	252	256	245	256	252	809	2919	4422	4528	2773	784	536	498	474	485
70	4092	4122	2254	236	207	193	182	193	207	236	2254	4122	4092	2135	378	258	247	249	273
75	2547	2796	1275	213	132	110	110	110	132	213	1275	2796	2547	979	169	155	163	162	170
80	472	976	344	115	76.8	83.4	82.7	83.4	76.8	115	344	976	472	123	87.9	91.3	110	123	125
85	49.3	85.2	55.8	40.5	42.1	46.9	44.5	46.9	42.1	40.5	55.8	85.2	49.3	25.9	30.5	47.9	71.6	85.9	87.8
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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:44.28V I:1.350A P:59.77W PF:1.000 Freq:0Hz Lamp Flux:10890.5x1 lm		
NAME: AOK SE	TYPE:LED STREET LIGHT	WEIGHT:
SPEC.:AOK-60WSE-DC-L5-00-5070-T203-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:235*70mm*2	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2353	2353	2353	2353	2353														
5	2022	2074	2150	2238	2338														
10	1777	1847	1982	2174	2386														
15	1652	1716	1857	2137	2468														
20	1568	1632	1773	2088	2565														
25	1506	1571	1715	2032	2674														
30	1463	1524	1678	2013	2768														
35	1435	1487	1638	2028	2908														
40	1406	1444	1578	2033	3071														
45	1347	1371	1485	1997	3244														
50	1224	1236	1338	1879	3333														
55	1025	1030	1119	1631	3307														
60	780	785	839	1236	3135														
65	474	498	536	784	2773														
70	249	247	258	378	2135														
75	162	163	155	169	979														
80	123	110	91.3	87.9	123														
85	85.9	71.6	47.9	30.5	25.9														
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:2020-12-18

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: