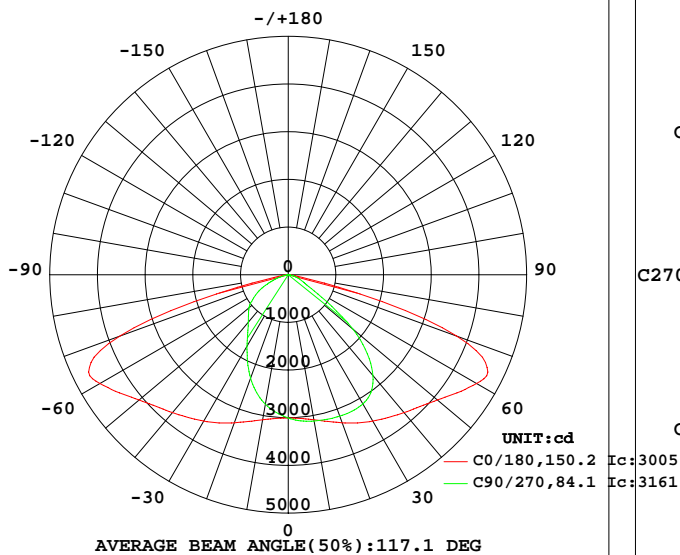
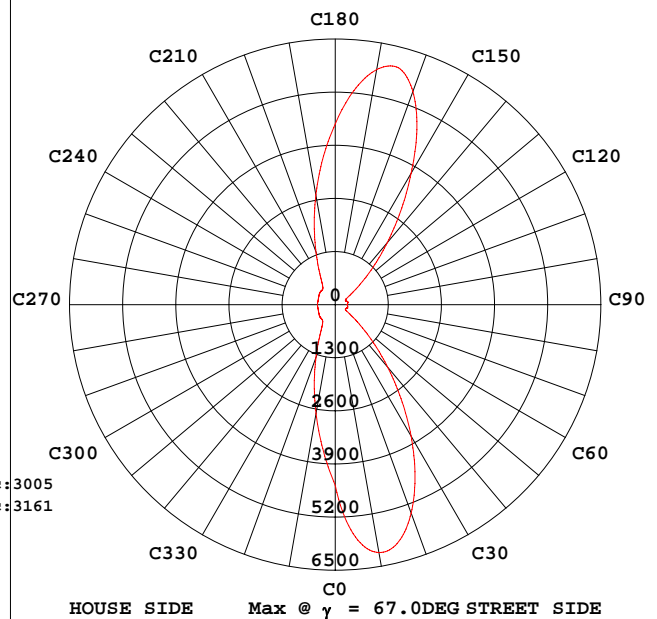


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.20 lm/W			
MODEL	3030	I _{max} (cd)	6003	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	61.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11415	η house_up(%)	0.0
NOMINAL FLUX(lm)	11415	MAXIMUM @(C,γ)	15,67.0	η house_down(%)	38.4
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.057

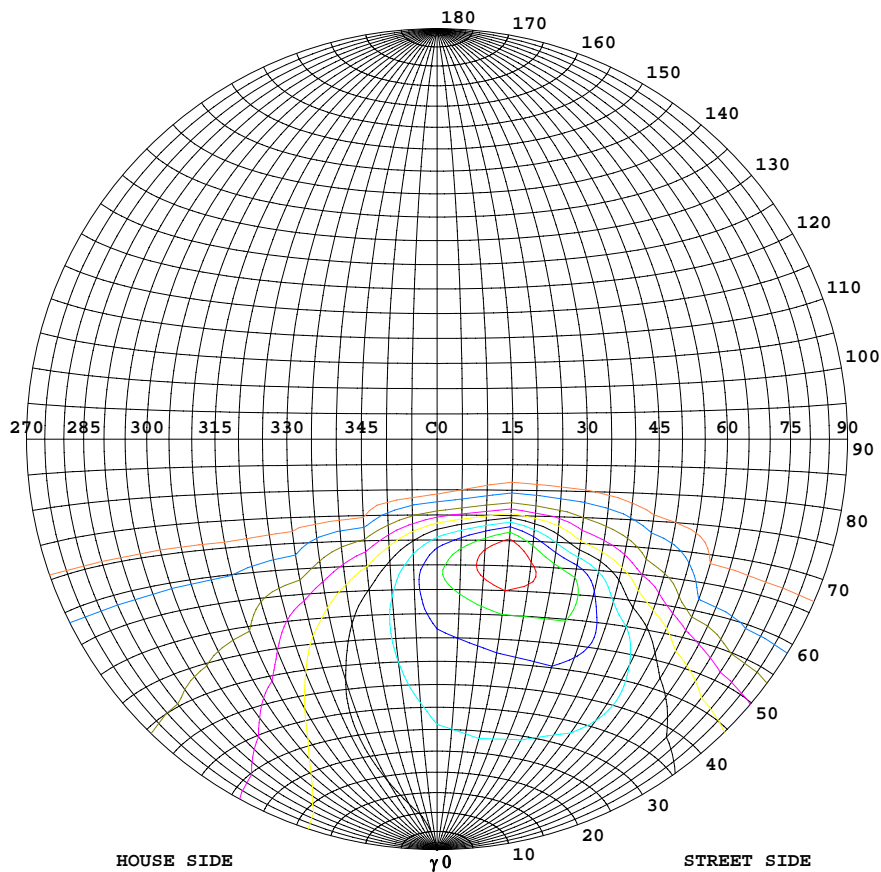
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



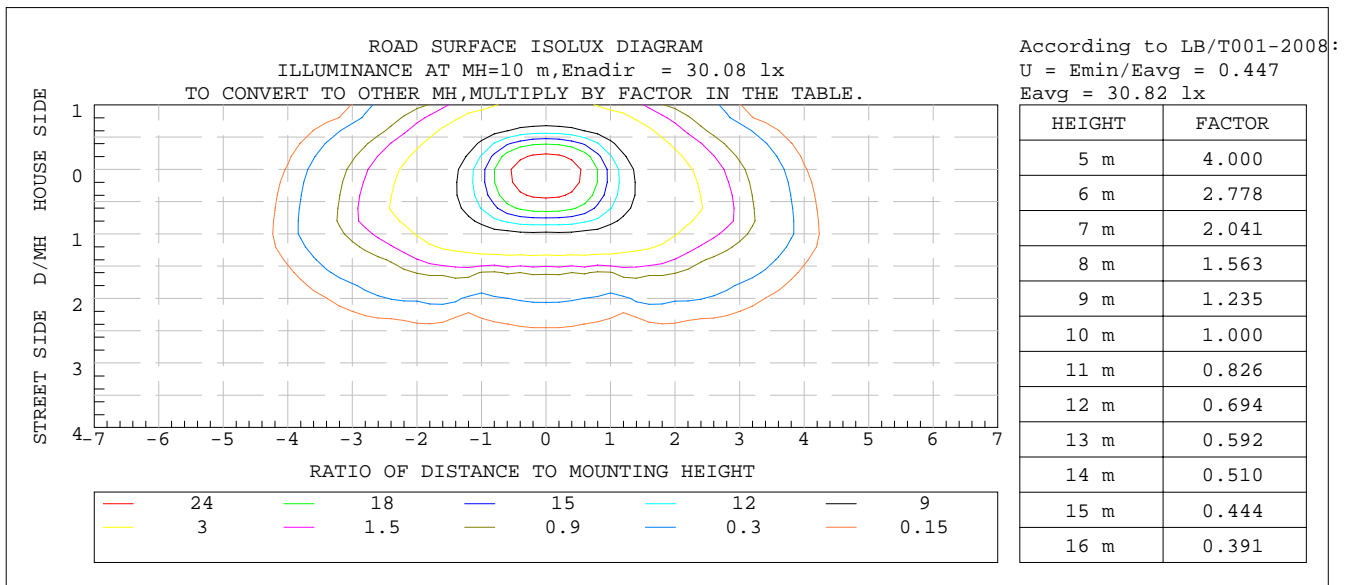
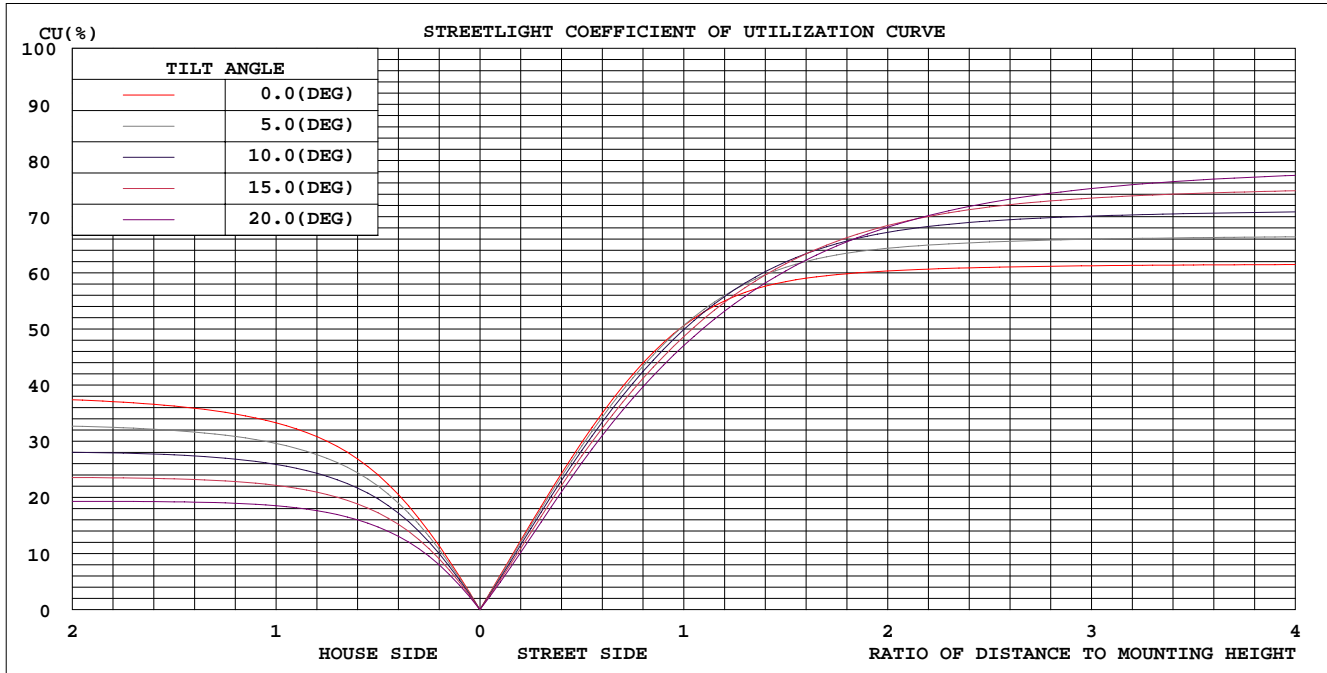
Classification:

IES:Type II - Medium
 CIE:Narrow - Intermediate
 IES:Full cut-off
 CIE:Semi-cut-off
 Max.At80:41.76cd/klm
 Max.At90:0cd/klm
 Max.80-90:41.76cd/klm
 NRB 5101:Limited[3.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6003
90%	5403
80%	4803
70%	4202
60%	3602
50%	3002
40%	2401
30%	1801
20%	1201
10%	600
5%	300

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-25

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: 2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

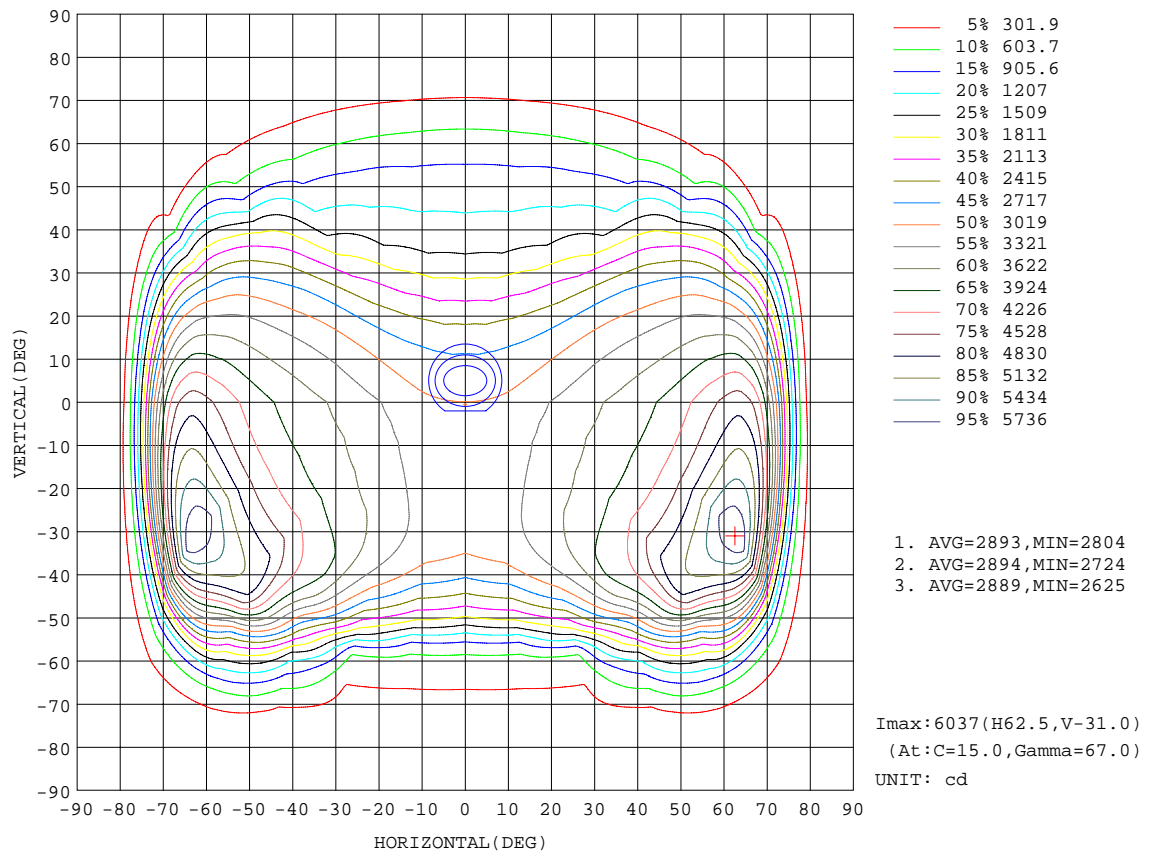
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3087	3136	3115	3136	3087	2883	2759	2883	0- 10	287.1	287.1	2.51,2.51
20	3304	3299	3157	3299	3304	2724	2311	2724	10- 20	854.4	1142	10,10
30	3544	3521	3129	3521	3544	2459	1733	2459	20- 30	1391	2532	22.2,22.2
40	3776	3802	2765	3802	3776	2038	1306	2038	30- 40	1857	4389	38.4,38.4
50	4086	3912	1768	3912	4086	1426	1075	1426	40- 50	2189	6578	57.6,57.6
60	4564	2751	498.8	2751	4564	903.7	741.5	903.7	50- 60	2249	8827	77.3,77.3
70	3746	928.4	233.5	928.4	3746	343.3	328.0	343.3	60- 70	1854	10681	93.6,93.6
80	209.1	107.8	66.61	107.8	209.1	67.91	35.90	67.91	70- 80	690.2	11371	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	43.52	11415	100,100
100	0	0	0	0	0	0	0	0	90-100	0	11415	100,100
110	0	0	0	0	0	0	0	0	100-110	0	11415	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11415	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11415	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11415	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11415	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11415	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11415	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11415	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:2020-12-25

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

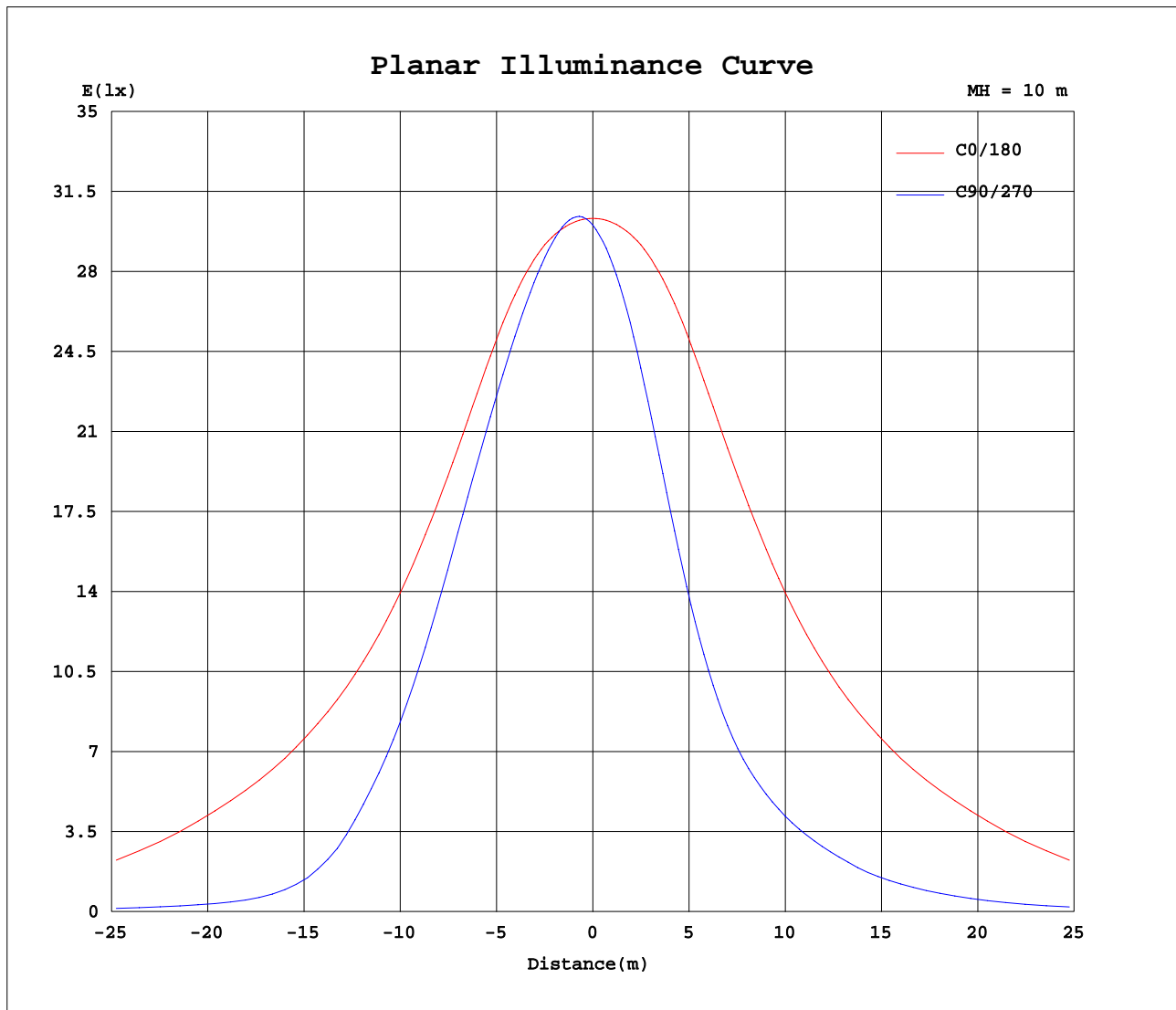
Test:U:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

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



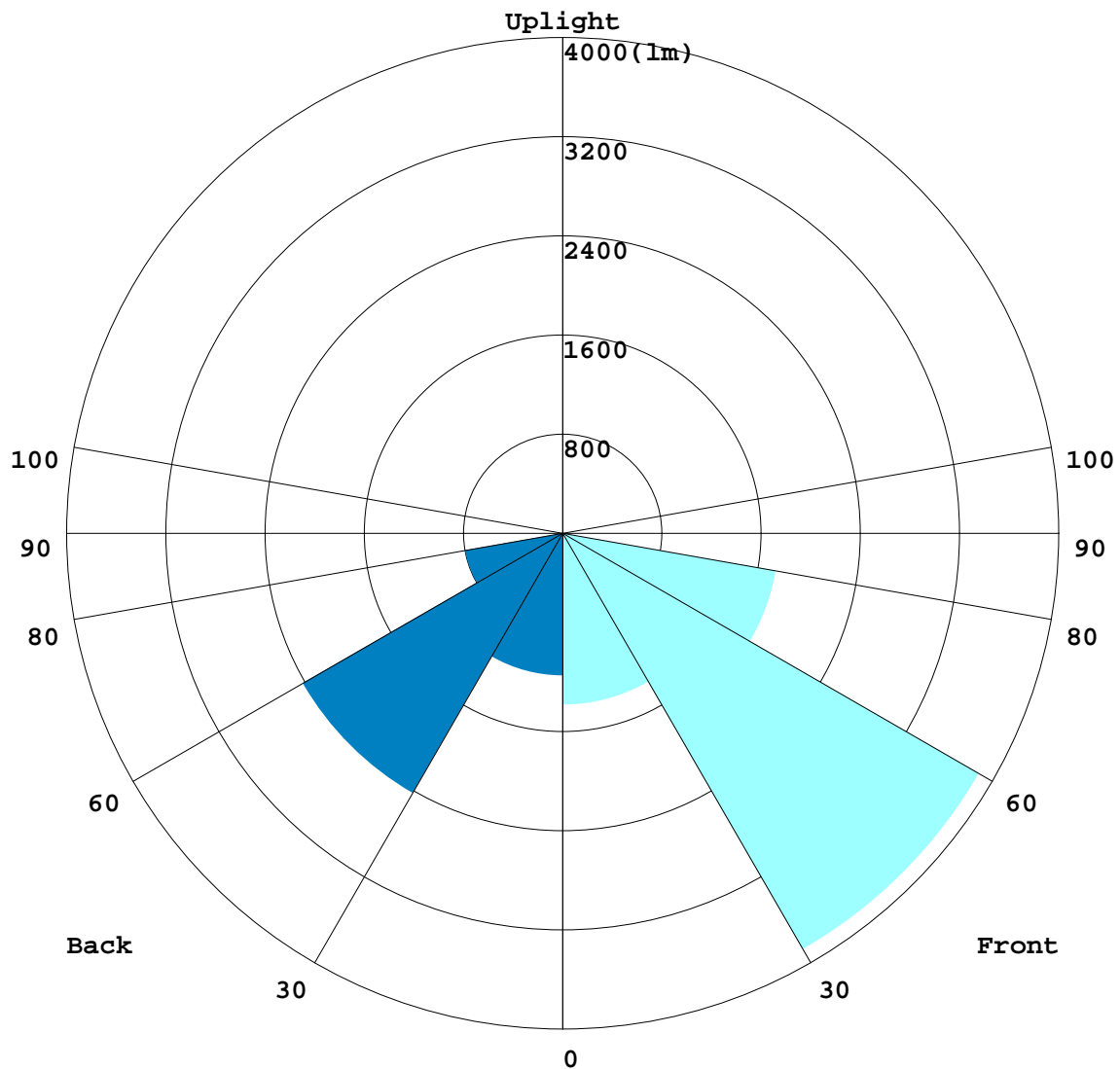
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*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:2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1384.3	12.1
FM - Front-Medium(30-60)	3875.1	33.9
FH - Front-High(60-80)	1746.1	15.3
FVH - Front-Very High(80-90)	30.036	0.3
Total Forward Light	7035.5	61.6

BL - Back-Low(0-30)	1147.9	10.1
BM - Back-Medium(30-60)	2419.8	21.2
BH - Back-High(60-80)	798.3	7.0
BVH - Back-Very High(80-90)	13.488	0.1
Total Back Light	4379.4	38.4

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	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4379.4	0	4379.4
Street Side	7035.5	0	7035.5

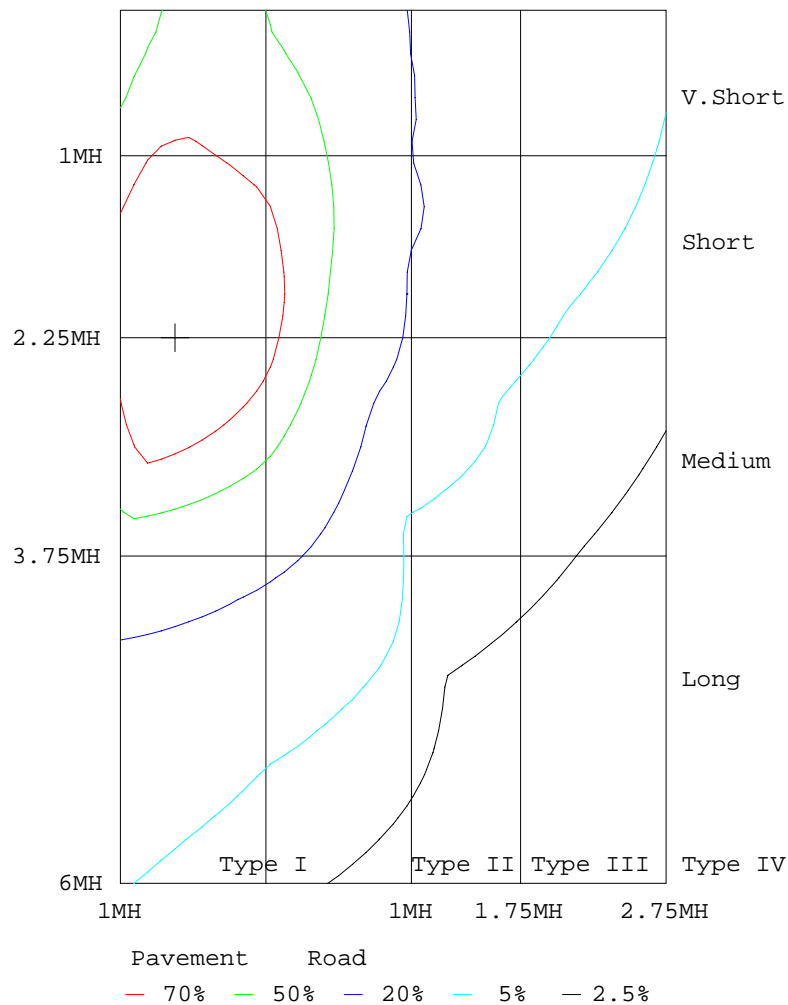
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*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	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005	3005
5	3026	3046	3060	3070	3073	3077	3076	3077	3073	3070	3060	3046	3026	2998	2969	2942	2918	2902	2900
10	3087	3121	3137	3136	3126	3120	3115	3120	3126	3136	3137	3121	3087	3025	2955	2883	2818	2771	2759
15	3185	3232	3238	3211	3176	3152	3139	3152	3176	3211	3238	3232	3185	3082	2956	2815	2685	2587	2561
20	3304	3361	3352	3299	3231	3180	3157	3180	3231	3299	3352	3361	3304	3160	2960	2724	2512	2351	2311
25	3431	3496	3478	3402	3288	3197	3159	3197	3288	3402	3478	3496	3431	3247	2964	2605	2290	2074	2021
30	3544	3623	3609	3521	3348	3193	3129	3193	3348	3521	3609	3623	3544	3324	2957	2459	2048	1794	1733
35	3654	3748	3755	3659	3387	3125	3022	3125	3387	3659	3755	3748	3654	3390	2926	2276	1790	1537	1481
40	3776	3895	3928	3802	3353	2929	2765	2929	3353	3802	3928	3895	3776	3436	2851	2038	1531	1346	1306
45	3909	4079	4162	3910	3154	2551	2348	2551	3154	3910	4162	4079	3909	3453	2711	1745	1343	1216	1181
50	4086	4344	4462	3912	2705	2012	1768	2012	2705	3912	4462	4344	4086	3433	2504	1426	1190	1098	1075
55	4322	4765	4805	3588	2021	1169	988	1169	2021	3588	4805	4765	4322	3338	2165	1161	1019	927	911
60	4564	5376	5011	2751	945	544	499	544	945	2751	5011	5376	4564	3042	1645	904	794	743	741
65	4600	5972	4418	1764	408	348	335	348	408	1764	4418	5972	4600	2386	898	594	555	529	532
70	3746	5515	2535	928	263	243	234	243	263	928	2535	5515	3746	1278	421	343	331	323	328
75	1559	2662	1188	371	158	148	143	148	158	371	1188	2662	1559	269	202	173	169	155	153
80	209	477	326	108	72.9	70.0	66.6	70.0	72.9	108	326	477	209	107	88.3	67.9	60.5	42.5	35.9
85	36.0	49.9	41.0	26.1	19.9	19.2	17.4	19.2	19.9	26.1	41.0	49.9	36.0	30.0	25.4	16.0	8.73	3.31	1.04
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:2020-12-25

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:219.2V I:0.3714A P:79.72W PF:0.9791 Freq:50.18Hz Lamp Flux:11415x1 lm		
NAME: AOK IL02	TYPE:LED STREET LIGHT	WEIGHT:3KG
SPEC.:AOK-80WIL02-NV-L3-00-3070-T201-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3005	3005	3005	3005	3005														
5	2902	2918	2942	2969	2998														
10	2771	2818	2883	2955	3025														
15	2587	2685	2815	2956	3082														
20	2351	2512	2724	2960	3160														
25	2074	2290	2605	2964	3247														
30	1794	2048	2459	2957	3324														
35	1537	1790	2276	2926	3390														
40	1346	1531	2038	2851	3436														
45	1216	1343	1745	2711	3453														
50	1098	1190	1426	2504	3433														
55	927	1019	1161	2165	3338														
60	743	794	904	1645	3042														
65	529	555	594	898	2386														
70	323	331	343	421	1278														
75	155	169	173	202	269														
80	42.5	60.5	67.9	88.3	107														
85	3.31	8.73	16.0	25.4	30.0														
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:2020-12-25

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: