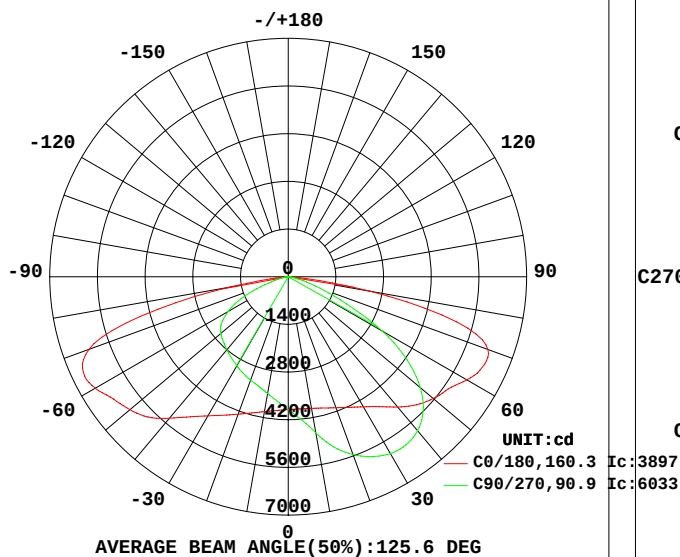
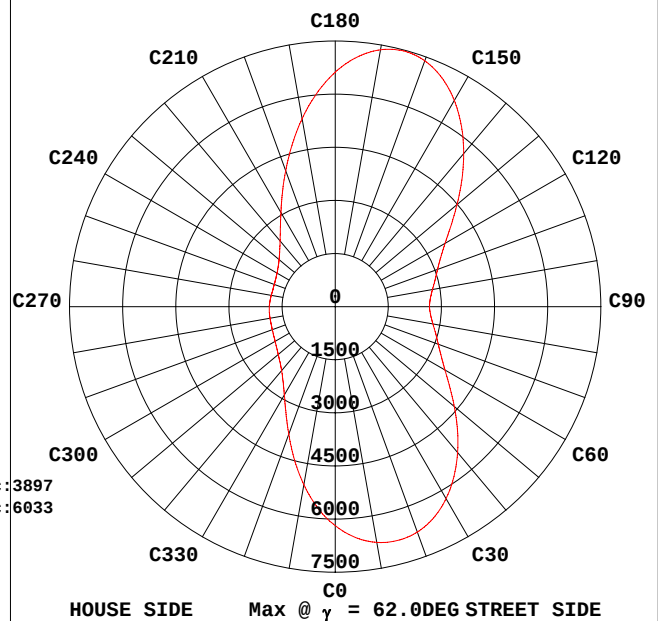


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 163.66 lm/W			
MODEL	3030	I _{max} (cd)	7475	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	62.5
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19668	η house_up(%)	0.0
NOMINAL FLUX(lm)	19667.9	MAXIMUM @(C,γ)	165,62.0	η house_down(%)	37.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.860

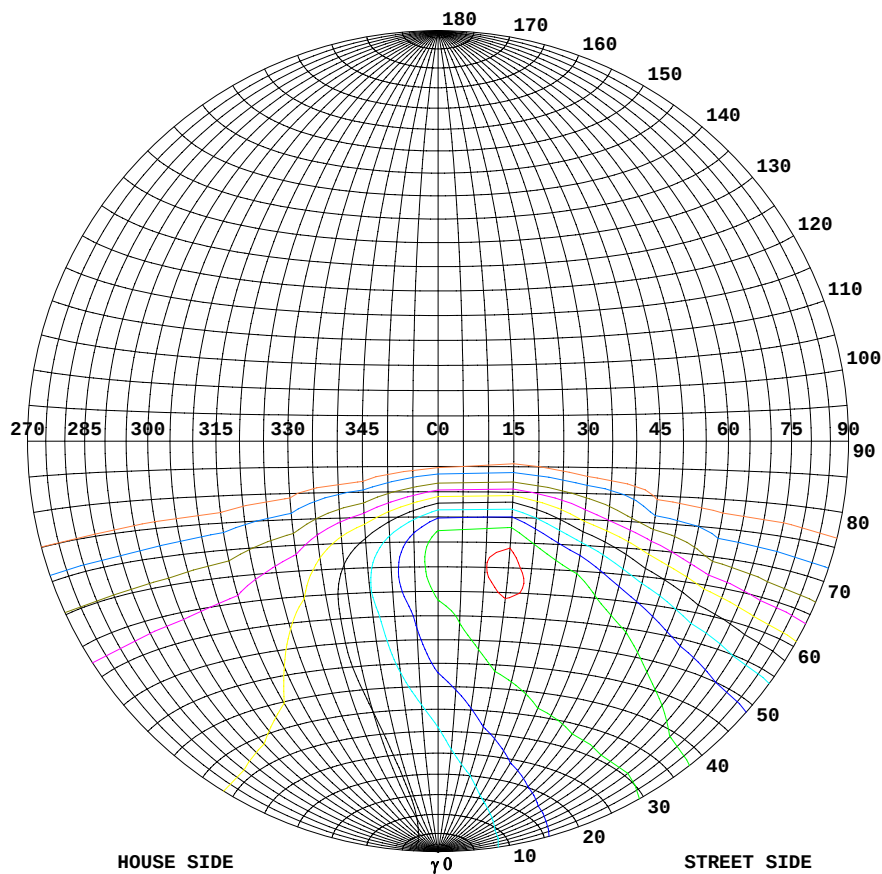
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



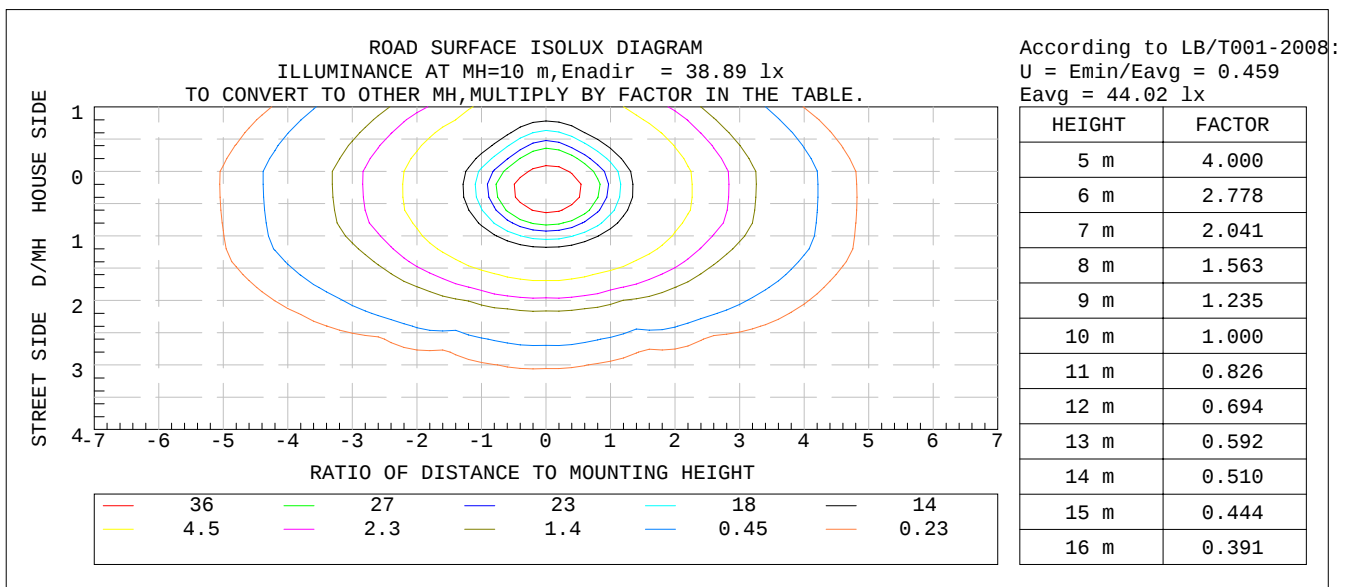
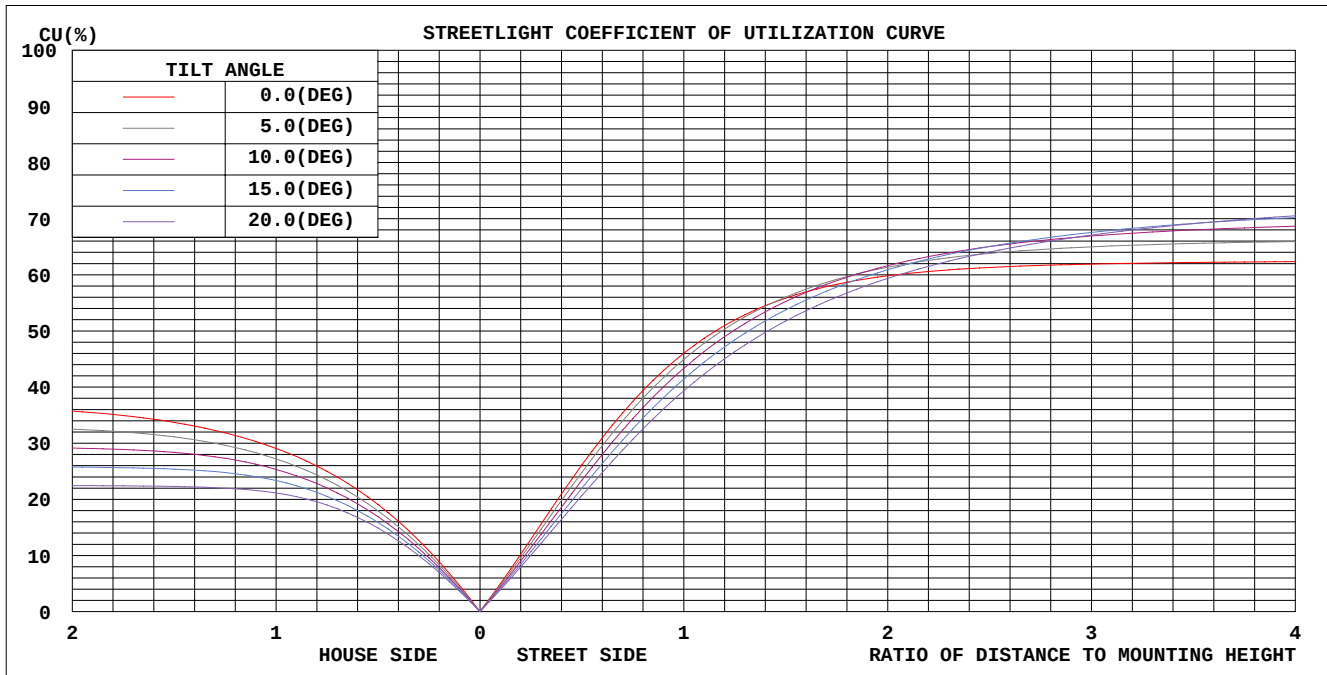
Classification:

IES:Type II - Short
 CIE:Narrow - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:131.3cd/klm
 Max.At90:0cd/klm
 Max.80-90:131.3cd/klm
 NRB 5101:Semi limited[24.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7475
90%	6727
80%	5980
70%	5232
60%	4485
50%	3737
40%	2990
30%	2242
20%	1495
10%	747
5%	374

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 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: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	HEIGHT:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

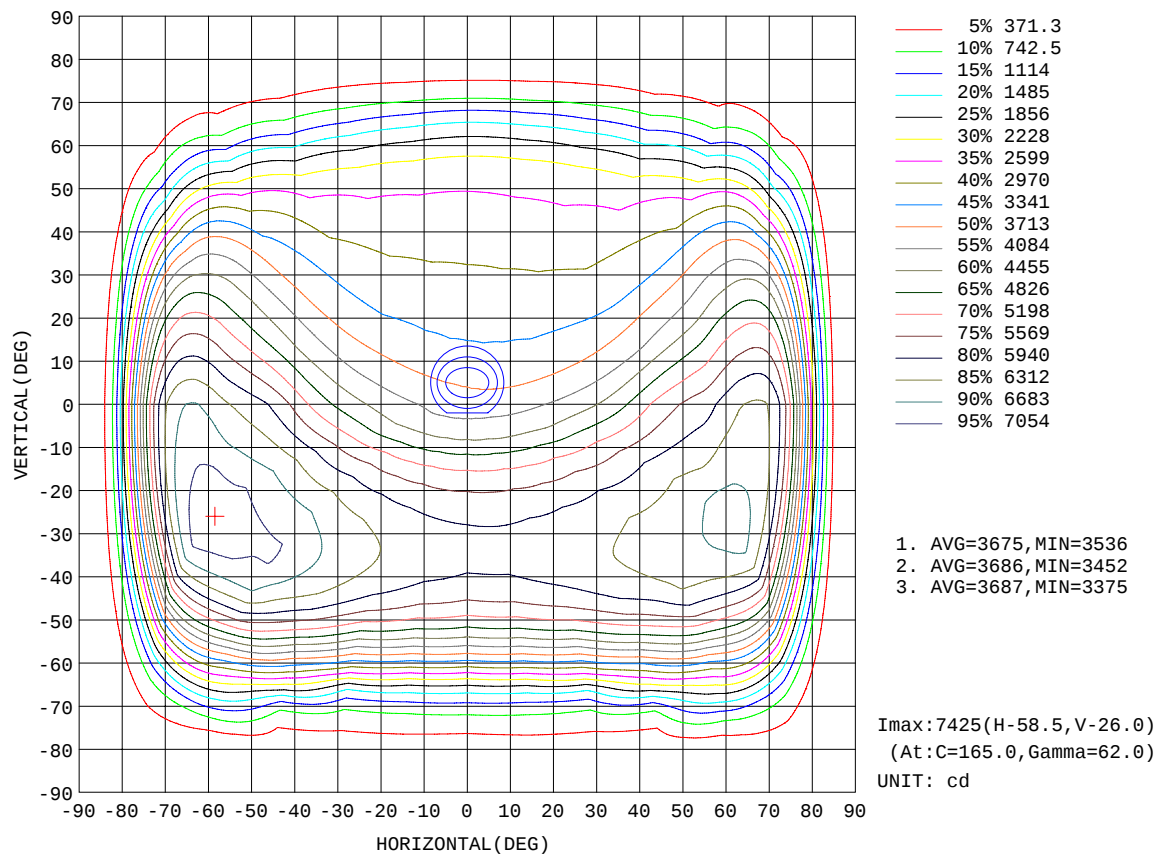
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	3924	4363	4654	4440	4024	3645	3485	3591	0- 10	377.5	377.5	1.92,1.92
20	4093	5206	5554	5354	4295	3466	3232	3377	10- 20	1186	1563	7.95,7.95
30	4411	5830	5995	6069	4715	3306	3022	3190	20- 30	2067	3631	18.5,18.5
40	4993	6194	5907	6527	5425	3149	2804	3000	30- 40	2938	6569	33.4,33.4
50	5558	6201	5063	6560	6069	2919	2583	2770	40- 50	3675	10244	52.1,52.1
60	6058	5271	3189	5490	6546	2407	2043	2352	50- 60	4008	14252	72.5,72.5
70	6237	2735	1001	2804	6223	1079	867.6	1205	60- 70	3471	17722	90.1,90.1
80	2419	319.1	160.2	317.1	1698	185.9	139.0	210.6	70- 80	1751	19473	99,99
90	0	0	0	0	0	0	0	0	80- 90	194.8	19668	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19668	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19668	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19668	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19668	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19668	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19668	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19668	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19668	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19668	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:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

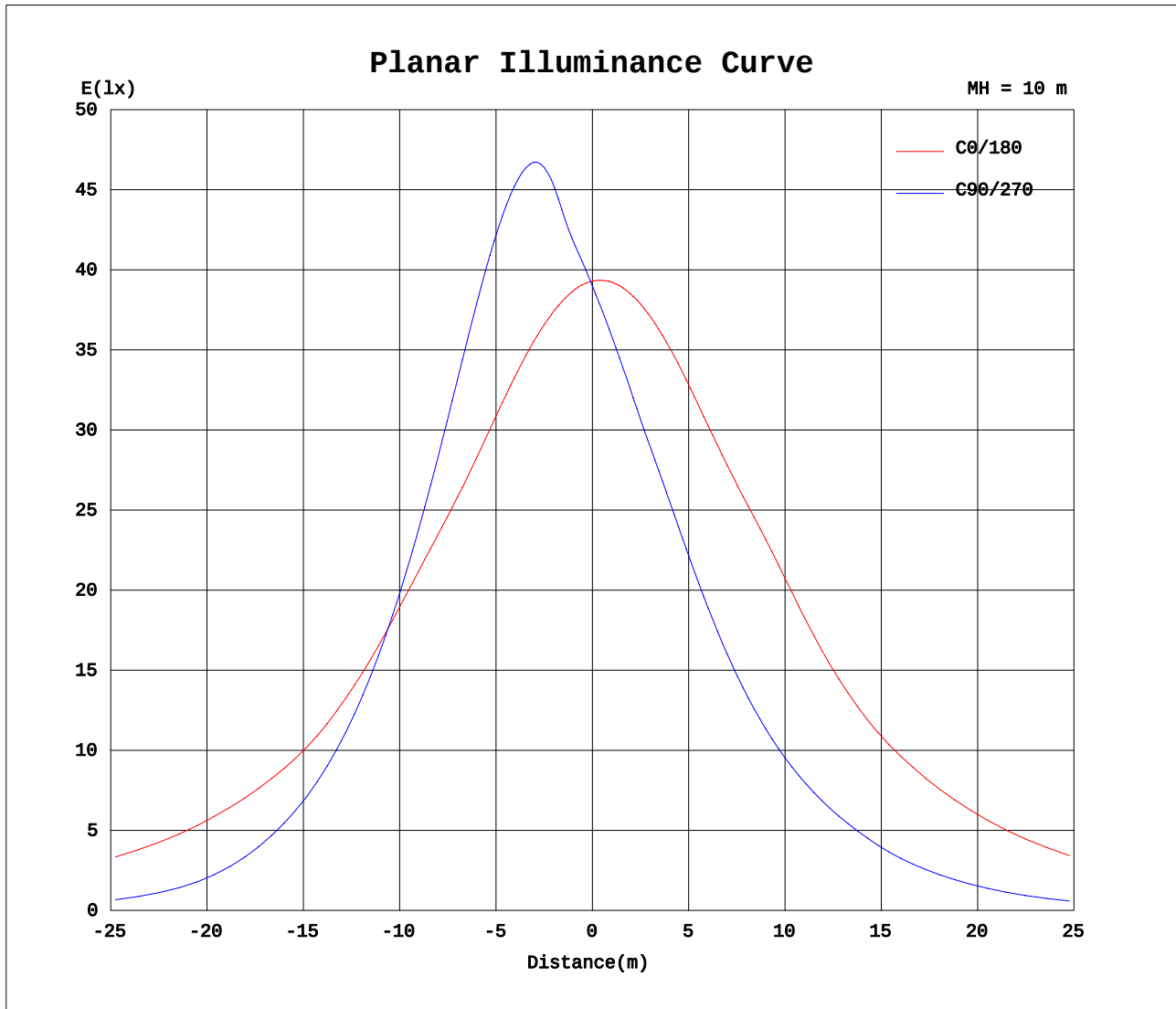
Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



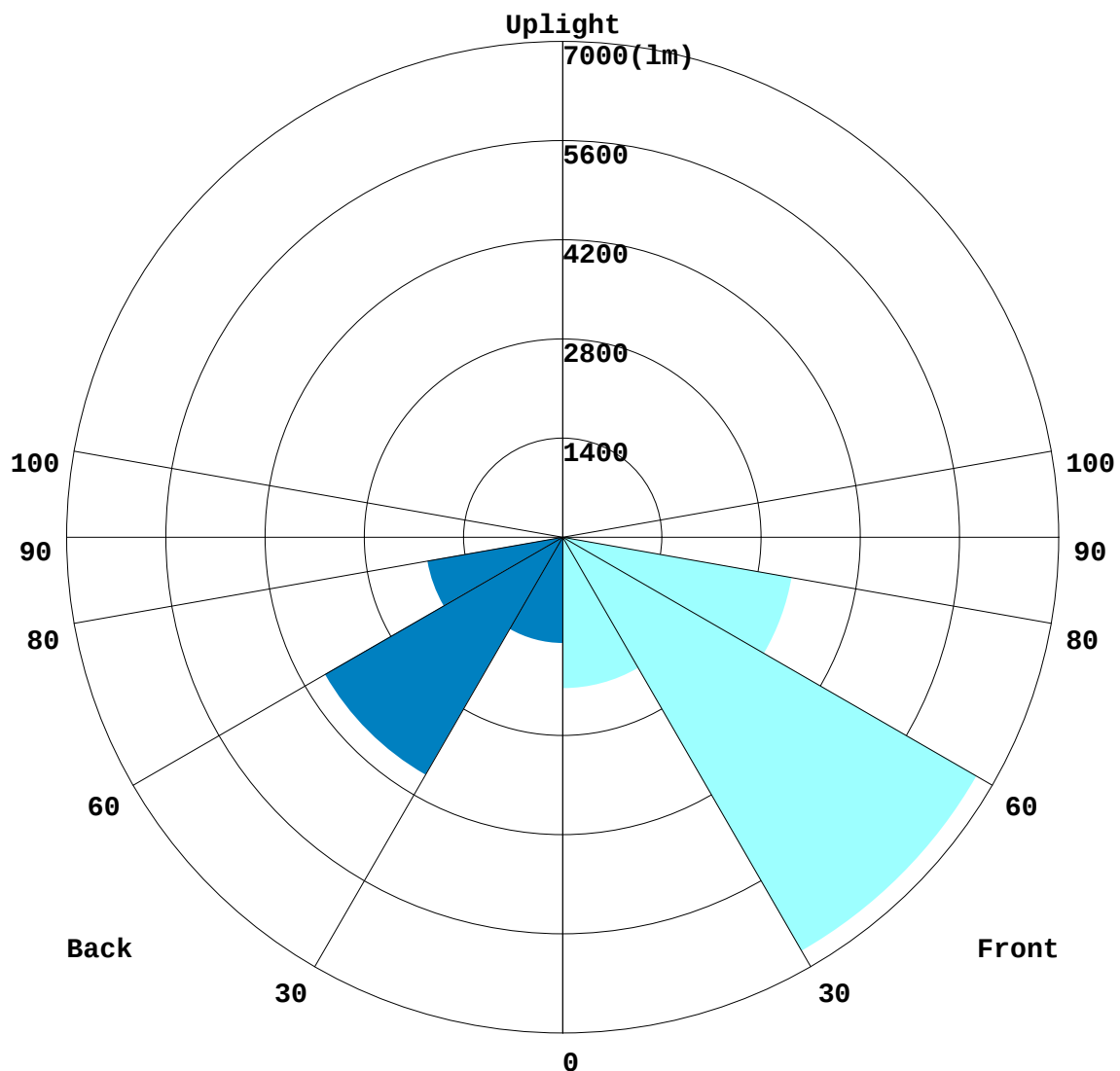
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2134.7	10.9
FM - Front-Medium(30-60)	6747	34.3
FH - Front-High(60-80)	3283	16.7
FVH - Front-Very High(80-90)	135.67	0.7
Total Forward Light	12300	62.5

BL - Back-Low(0-30)	1496.3	7.6
BM - Back-Medium(30-60)	3873.8	19.7
BH - Back-High(60-80)	1938.3	9.9
BVH - Back-Very High(80-90)	59.122	0.3
Total Back Light	7367.5	37.5

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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7367.5	0	7367.5
Street Side	12300	0	12300

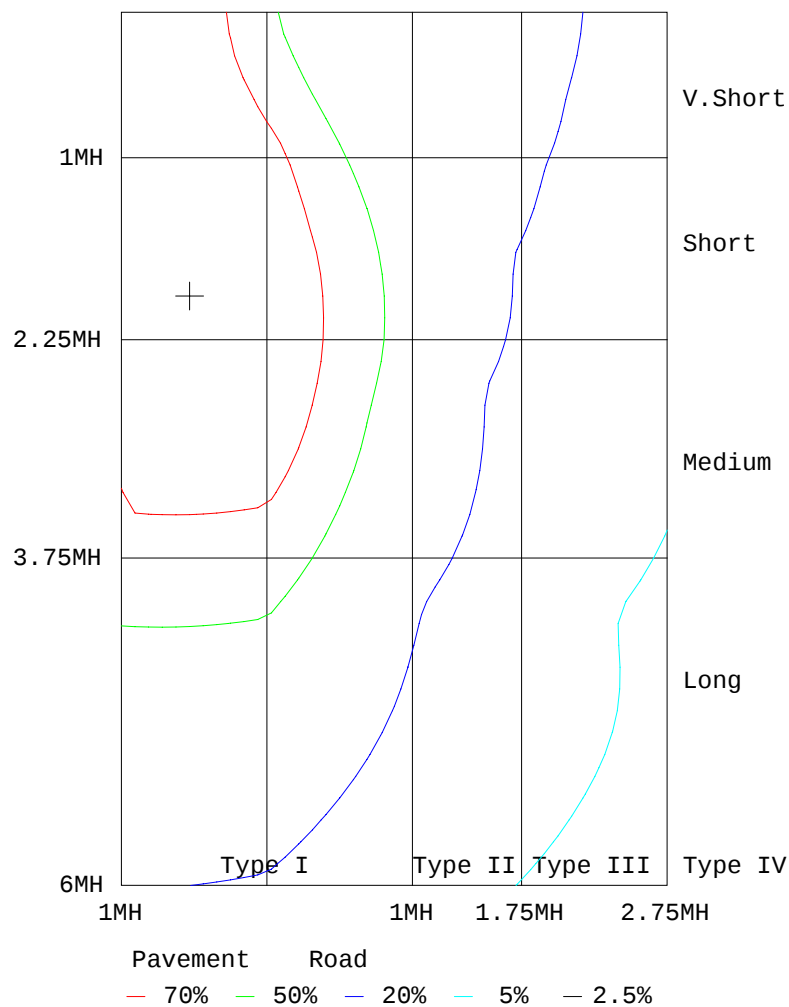
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	WEIGHT:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	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	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900
5	3896	3962	4031	4091	4143	4177	4195	4190	4171	4130	4077	4012	3943	3876	3811	3756	3711	3684	3671
10	3924	4067	4219	4363	4512	4604	4654	4628	4560	4440	4313	4170	4024	3882	3751	3645	3560	3510	3485
15	3992	4224	4514	4790	5001	5117	5172	5153	5075	4896	4646	4379	4142	3915	3712	3550	3431	3362	3335
20	4093	4451	4897	5206	5400	5505	5554	5558	5503	5354	5079	4653	4295	3971	3685	3466	3324	3260	3232
25	4230	4768	5262	5552	5708	5788	5827	5854	5835	5742	5502	5022	4486	4043	3659	3383	3232	3161	3129
30	4411	5106	5589	5830	5933	5969	5995	6048	6086	6069	5892	5430	4715	4138	3636	3306	3138	3058	3022
35	4659	5432	5866	6047	6066	6035	6027	6123	6244	6329	6239	5846	5021	4267	3627	3231	3034	2946	2912
40	4993	5743	6097	6194	6093	5958	5907	6043	6283	6527	6546	6258	5425	4413	3623	3149	2923	2833	2804
45	5320	6020	6295	6267	5976	5710	5599	5783	6155	6625	6825	6601	5822	4561	3614	3050	2797	2713	2695
50	5558	6266	6451	6201	5654	5235	5063	5288	5804	6560	7038	6892	6069	4680	3569	2919	2653	2586	2583
55	5738	6479	6520	5910	5030	4465	4263	4491	5104	6233	7118	7152	6260	4765	3463	2721	2460	2389	2397
60	6058	6772	6375	5271	4048	3434	3189	3432	4064	5490	6887	7442	6546	4781	3226	2407	2100	2012	2043
65	6287	6862	5866	4151	2784	2096	1895	2076	2758	4279	6193	7390	6638	4529	2749	1826	1558	1488	1533
70	6237	6560	4638	2735	1295	1075	1001	1063	1260	2804	4726	6785	6223	3717	1858	1079	893	839	868
75	5107	5256	2855	1094	566	524	478	503	561	1041	2829	4897	4492	2087	786	466	411	378	377
80	2419	2583	1209	319	243	193	160	194	234	317	1125	2005	1698	536	246	186	182	145	139
85	314	484	168	61.1	52.5	38.9	33.4	38.8	47.6	53.3	124	301	232	79.2	46.3	35.2	42.2	33.1	35.5
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:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5691A P:120.2W PF:0.9630 Freq:60.01Hz Lamp Flux:19667.9x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T2-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	3900	3900	3900	3900	3900													
5	3674	3692	3725	3770	3829													
10	3493	3526	3591	3678	3791													
15	3343	3389	3480	3607	3781													
20	3236	3275	3377	3550	3793													
25	3135	3176	3283	3497	3819													
30	3031	3074	3190	3444	3863													
35	2920	2965	3098	3393	3939													
40	2810	2854	3000	3356	4043													
45	2696	2737	2896	3318	4173													
50	2581	2608	2770	3256	4276													
55	2410	2445	2601	3156	4364													
60	2055	2147	2352	2981	4476													
65	1547	1646	1897	2636	4395													
70	885	989	1205	1964	3917													
75	393	450	550	951	2563													
80	151	197	211	315	869													
85	35.0	48.8	42.1	59.0	107													
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:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: