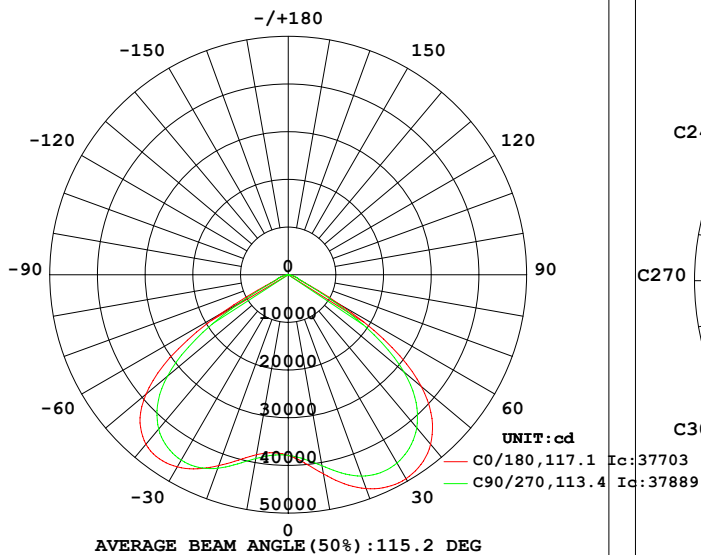
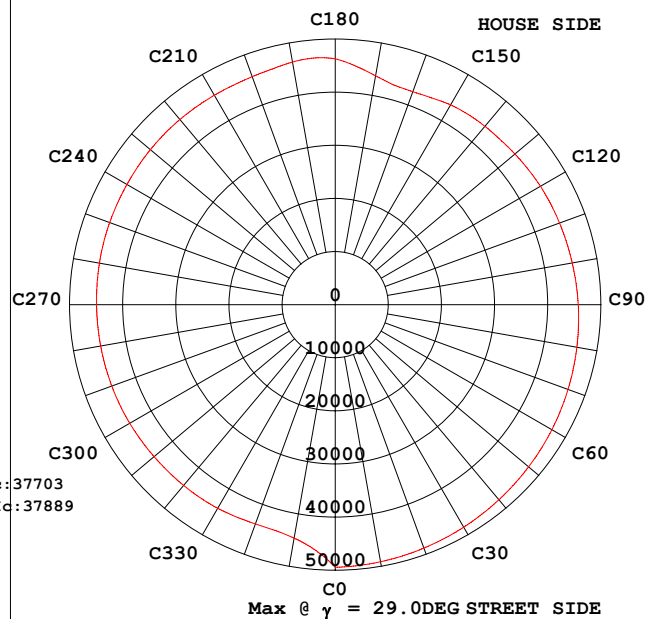


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 168.39 lm/W			
MODEL	5050	I _{max} (cd)	49433	η street_up (%)	0.0
NOMINAL POWER (W)	720	LOR (%)	100.0	η street_down (%)	53.9
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	120878	η house_up (%)	0.0
NOMINAL FLUX (lm)	120878	MAXIMUM @ (C, γ)	0,29.0	η house_down (%)	46.1
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	20.273

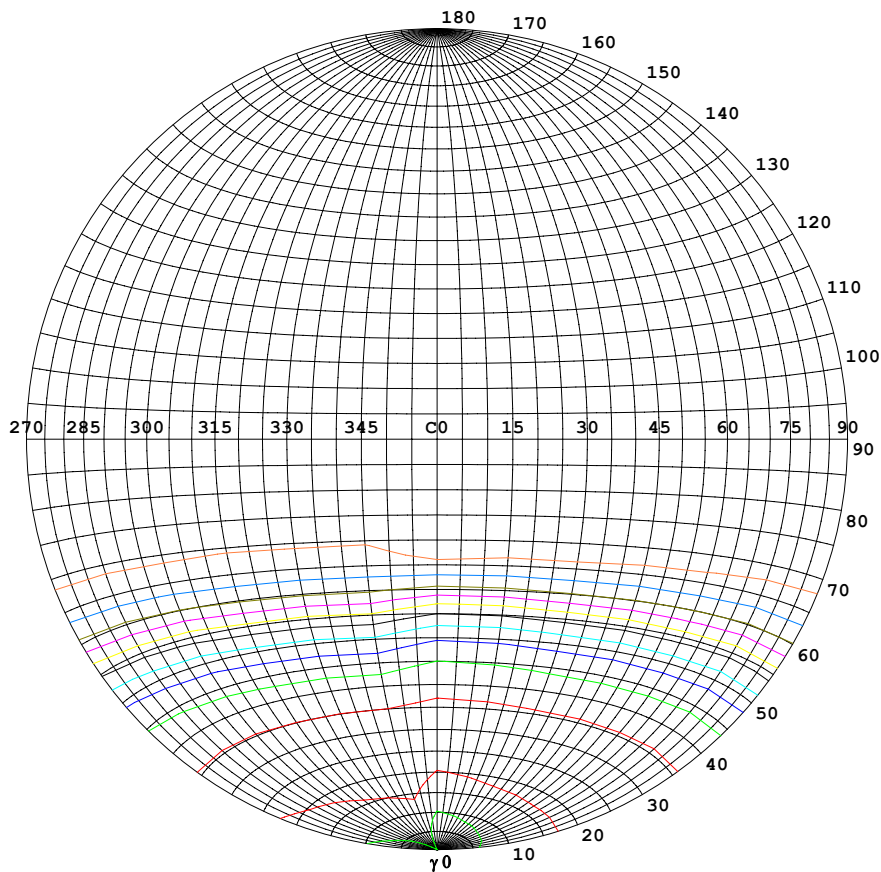
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: Φ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: Φ 520mm	Shielding Angle:



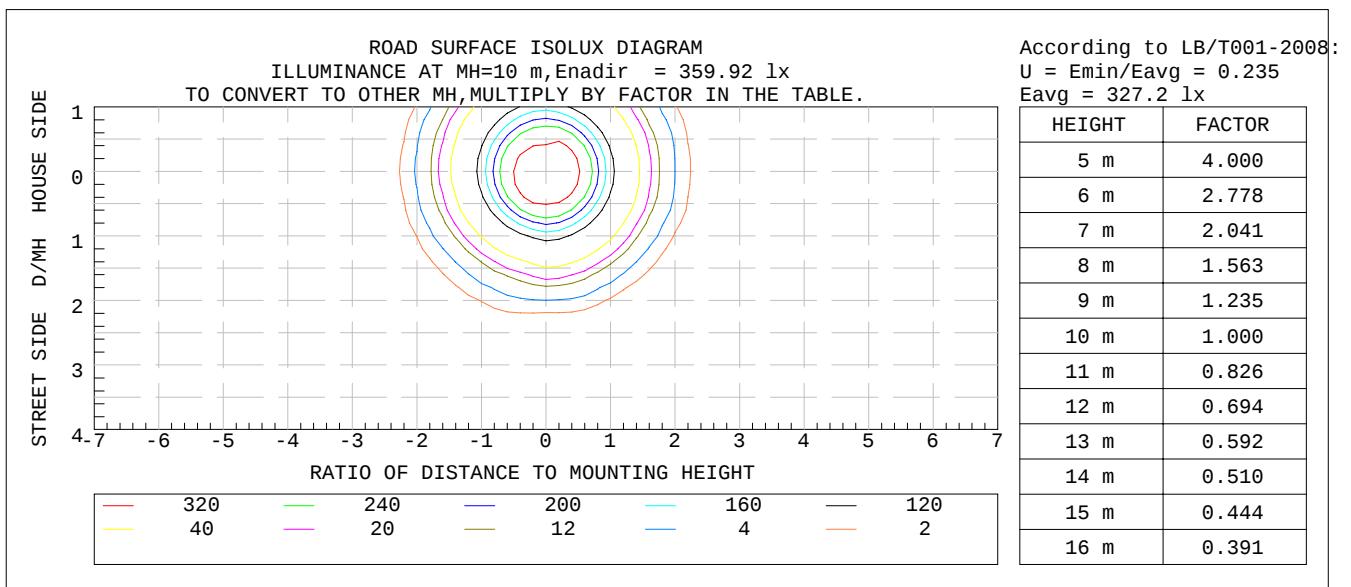
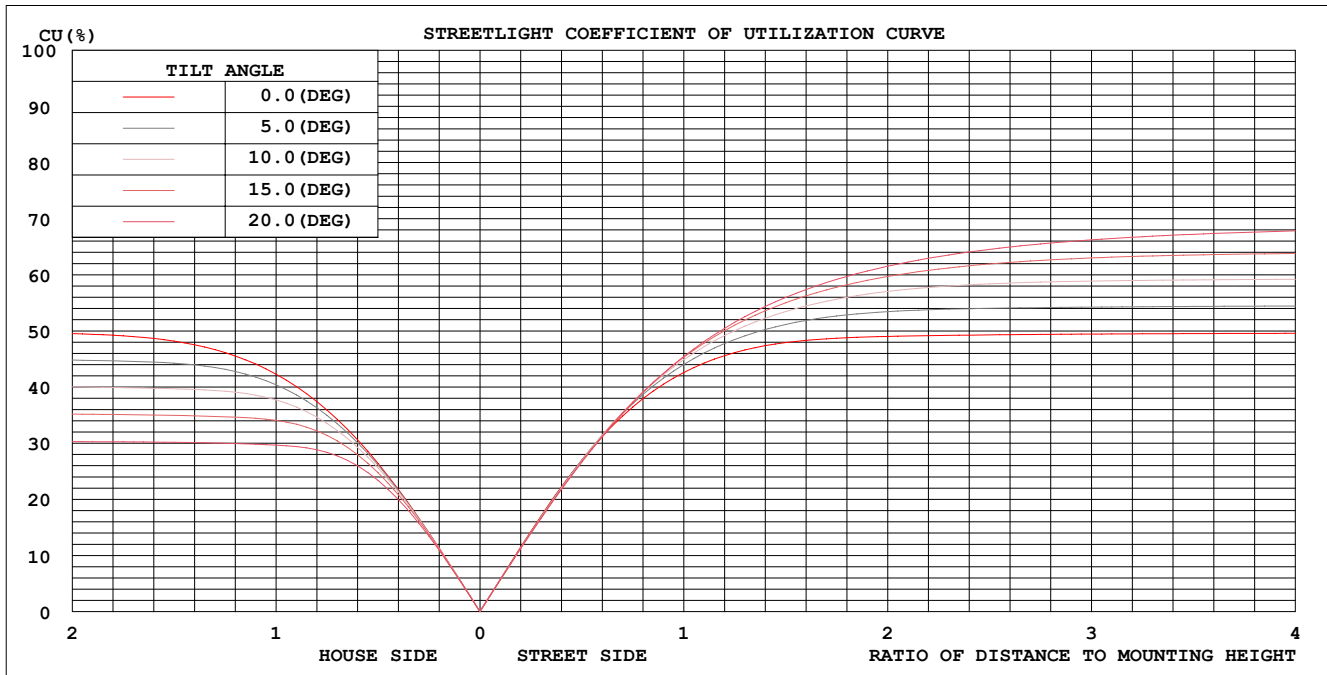
Classification:

IES:Type V - Very Short
CIE:Narrow - Short
IES:Full cut-off
CIE:Full cut-off
Max.At80:6.941cd/klm
Max.At90:0cd/klm
Max.80-90:6.941cd/klm
NRB 5101:Limited[1.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	49433
90%	44489
80%	39546
70%	34603
60%	29660
50%	24716
40%	19773
30%	14830
20%	9887
10%	4943
5%	2472

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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: 2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

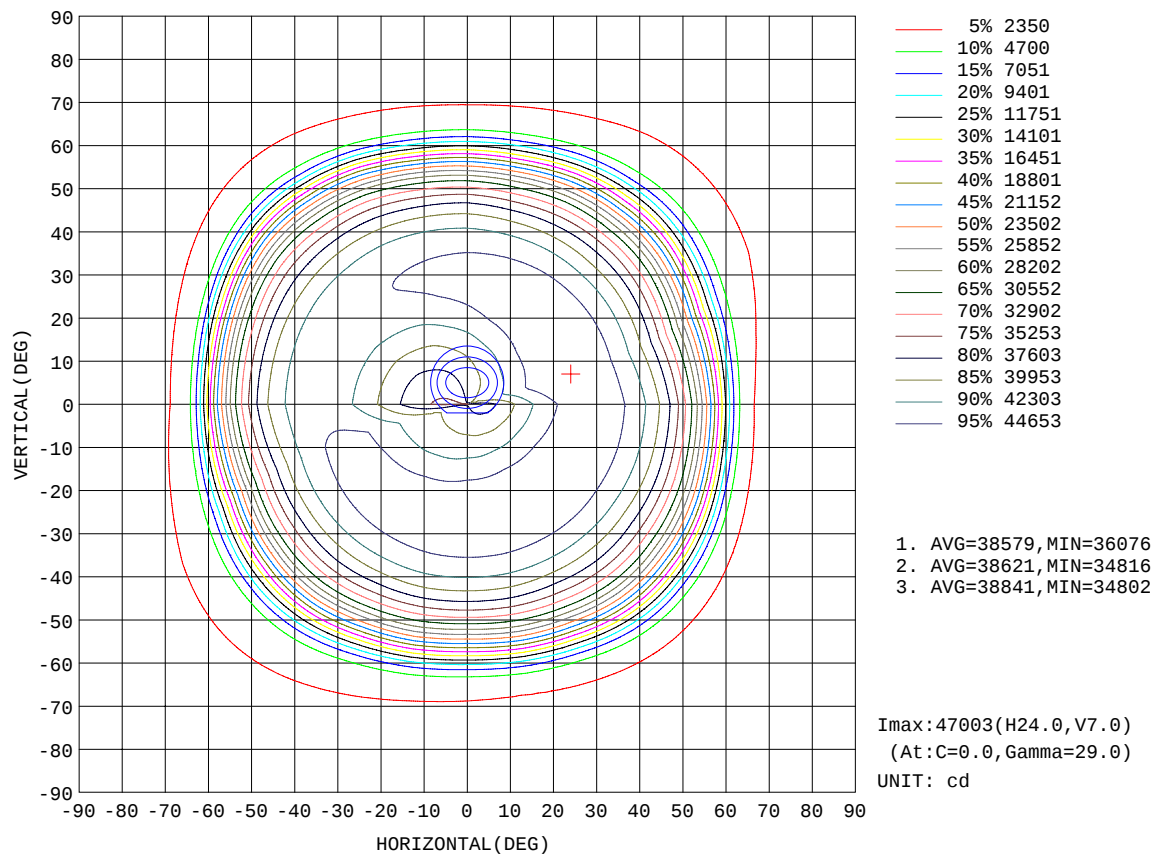
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	4238	4200	4066	3901	3833	3841	3915	4021	0- 10	3716	3716	3.07,3.07
20	4773	4681	4494	4259	4260	4236	4319	4397	10- 20	11970	15686	13.13
30	4940	4758	4561	4387	4652	4564	4490	4426	20- 30	20893	36579	30.3,30.3
40	4644	4350	4193	4049	4641	4417	4227	4006	30- 40	27844	64424	53.3,53.3
50	3641	3338	3165	3108	3893	3565	3303	2979	40- 50	29644	94068	77.8,77.8
60	1235	1034	1011	1027	1642	1297	1144	896.5	50- 60	20529	114597	94.8,94.8
70	201.2	208.4	216.2	234.2	238.5	235.4	225.2	223.1	60- 70	4467	119064	98.5,98.5
80	61.35	74.20	65.98	81.85	67.35	74.94	64.89	74.05	70- 80	1496	120559	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	319.1	120878	100,100
100	0	0	0	0	0	0	0	0	90-100	0	120878	100,100
110	0	0	0	0	0	0	0	0	100-110	0	120878	100,100
120	0	0	0	0	0	0	0	0	110-120	0	120878	100,100
130	0	0	0	0	0	0	0	0	120-130	0	120878	100,100
140	0	0	0	0	0	0	0	0	130-140	0	120878	100,100
150	0	0	0	0	0	0	0	0	140-150	0	120878	100,100
160	0	0	0	0	0	0	0	0	150-160	0	120878	100,100
170	0	0	0	0	0	0	0	0	160-170	0	120878	100,100
180	0	0	0	0	0	0	0	0	170-180	0	120878	100,100
DEG	LUMINOUS INTENSITY: $\times 10$ cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

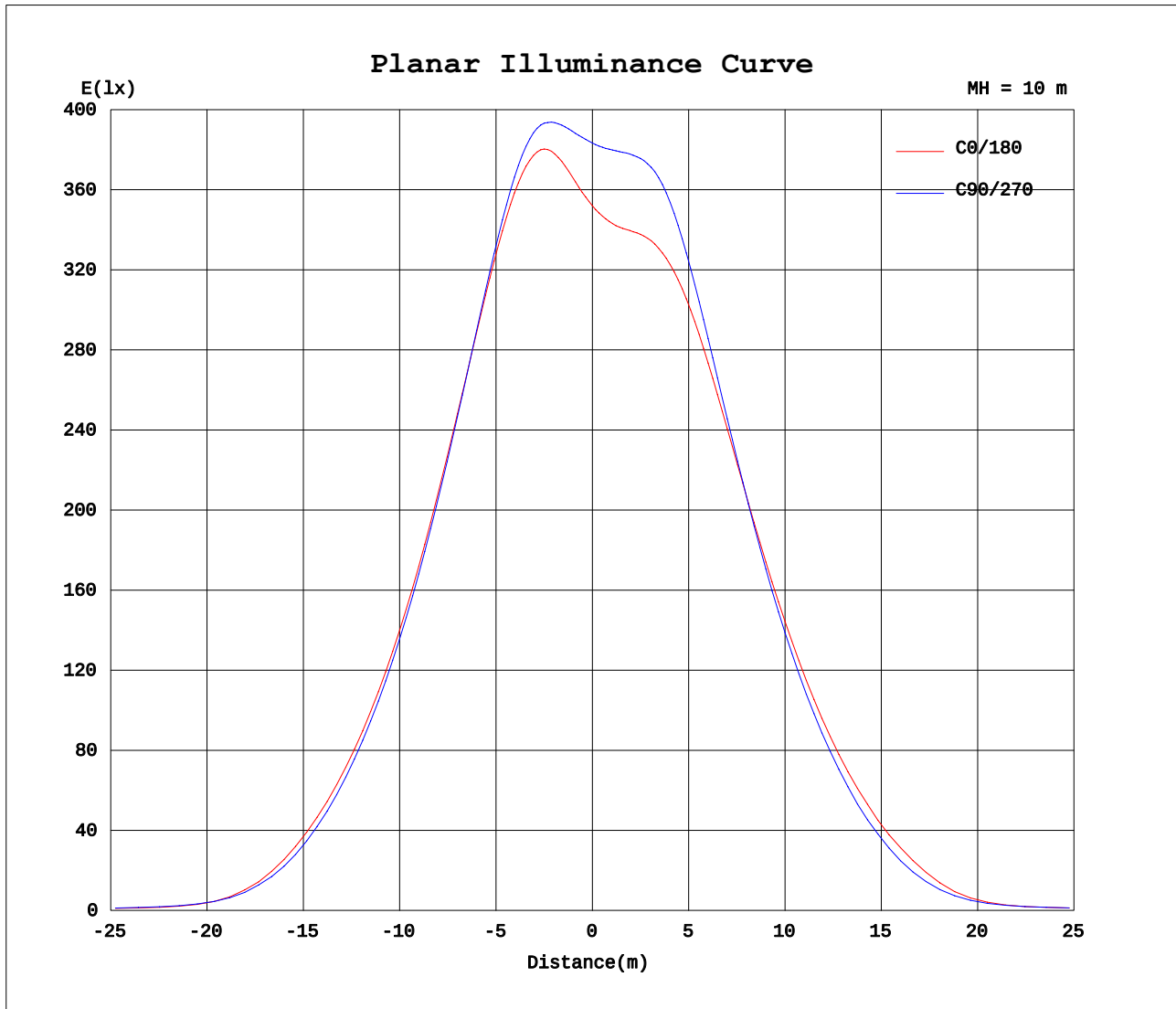
Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



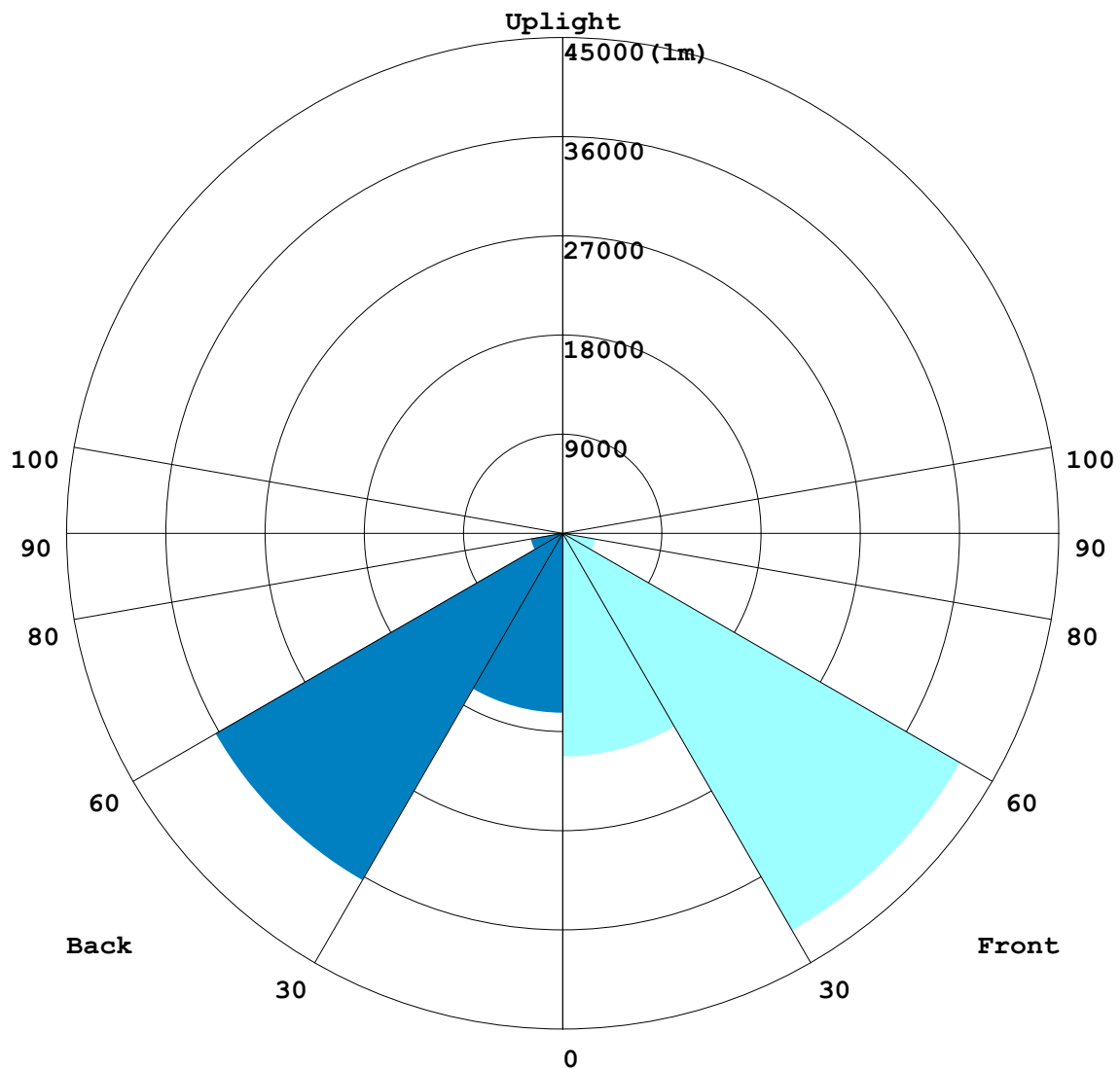
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	20274	16.8
FM - Front-Medium(30-60)	41650	34.5
FH - Front-High(60-80)	3041.6	2.5
FVH - Front-Very High(80-90)	165.05	0.1
Total Forward Light	65131	53.9

BL - Back-Low(0-30)	16305	13.5
BM - Back-Medium(30-60)	36367	30.1
BH - Back-High(60-80)	2920.9	2.4
BVH - Back-Very High(80-90)	154.05	0.1
Total Back Light	55747	46.1

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	B5-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	55747	0	55747
Street Side	65131	0	65131

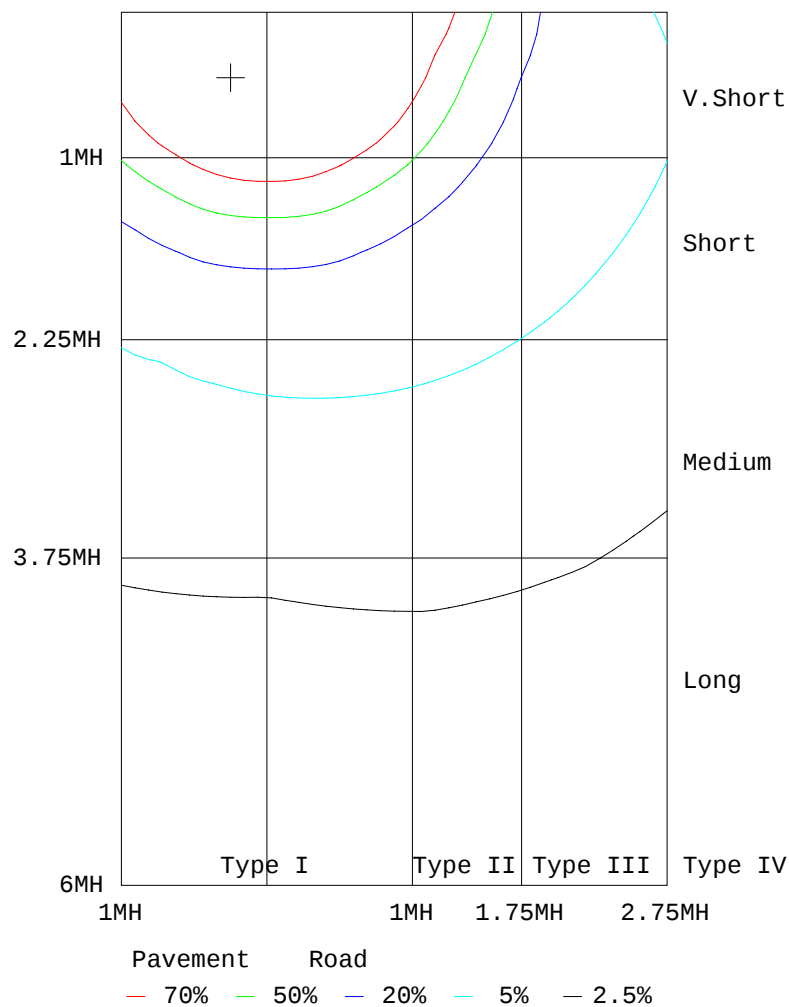
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: $\Phi 550 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 520$ mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789	3789
5	3963	3963	3962	3946	3932	3903	3881	3850	3830	3803	3788	3768	3747	3743	3741	3754	3765	3786	3801
10	4238	4239	4232	4200	4167	4113	4066	4004	3958	3901	3869	3829	3833	3826	3819	3841	3856	3891	3915
15	4538	4532	4515	4471	4429	4361	4302	4217	4153	4070	4018	3957	4023	4010	3993	4017	4032	4078	4107
20	4773	4756	4729	4681	4633	4560	4494	4411	4347	4259	4197	4121	4260	4240	4216	4236	4252	4295	4319
25	4909	4876	4836	4780	4720	4647	4580	4508	4453	4377	4319	4246	4490	4463	4431	4441	4440	4457	4455
30	4940	4889	4824	4758	4694	4627	4561	4499	4449	4387	4340	4279	4652	4615	4574	4564	4538	4518	4490
35	4856	4783	4690	4617	4549	4493	4433	4379	4327	4277	4243	4203	4713	4662	4605	4561	4511	4465	4417
40	4644	4555	4436	4350	4289	4247	4193	4148	4092	4049	4031	4010	4641	4575	4496	4417	4354	4290	4227
45	4262	4159	4013	3942	3868	3845	3793	3759	3702	3678	3651	3664	4396	4298	4188	4101	4025	3945	3879
50	3641	3549	3404	3338	3255	3232	3165	3160	3116	3108	3087	3106	3893	3784	3693	3565	3506	3387	3303
55	2662	2588	2421	2375	2270	2295	2200	2250	2174	2206	2173	2211	3028	2925	2842	2693	2610	2484	2374
60	1235	1189	1070	1034	995	1031	1011	1040	1010	1027	1041	1070	1642	1501	1455	1297	1288	1175	1144
65	316	348	308	313	311	323	323	336	335	344	346	359	403	384	382	363	364	350	346
70	201	204	205	208	210	211	216	222	230	234	238	240	239	238	237	235	232	230	225
75	123	128	129	130	133	135	134	142	145	146	147	150	138	141	140	139	139	140	135
80	61.4	73.2	75.5	74.2	78.0	77.3	66.0	78.9	83.9	81.9	83.6	81.2	67.4	76.1	77.7	74.9	76.3	75.2	64.9
85	20.0	23.9	23.4	22.6	24.5	26.3	22.7	27.5	27.2	25.4	27.4	29.0	23.3	27.7	28.1	21.6	27.3	26.9	22.0
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:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.1V I:3.288A P:717.8W PF:0.9963 Freq:60.01Hz Lamp Flux:120878x1 lm		
NAME: AOK INS	TYPE:LED Street Light	WEIGHT:9KG
SPEC.:AOK-720WiNS-NV-L5-00-4070-120D-P	DIM.: ϕ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: ϕ 520mm	Shielding Angle:

Table--2

UNIT: x10cd

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	3789	3789	3789	3789	3789														
5	3826	3842	3865	3876	3891														
10	3957	3985	4021	4040	4063														
15	4157	4185	4224	4241	4264														
20	4358	4376	4397	4401	4406														
25	4469	4472	4472	4460	4444														
30	4472	4454	4426	4405	4377														
35	4364	4321	4268	4242	4208														
40	4144	4079	4006	3979	3936														
45	3763	3680	3600	3562	3505														
50	3168	3099	2979	2954	2865														
55	2236	2161	2019	2012	1929														
60	1048	975	896	885	873														
65	330	323	316	317	317														
70	223	221	223	221	222														
75	138	137	137	138	140														
80	74.7	76.4	74.1	77.2	75.8														
85	24.7	24.6	19.0	24.1	24.4														
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:2021-07-27

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: