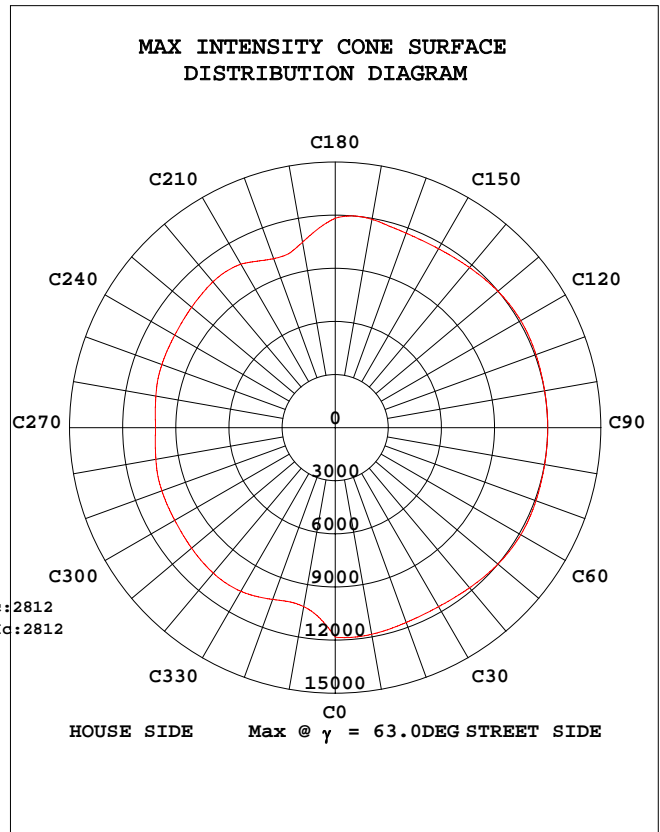
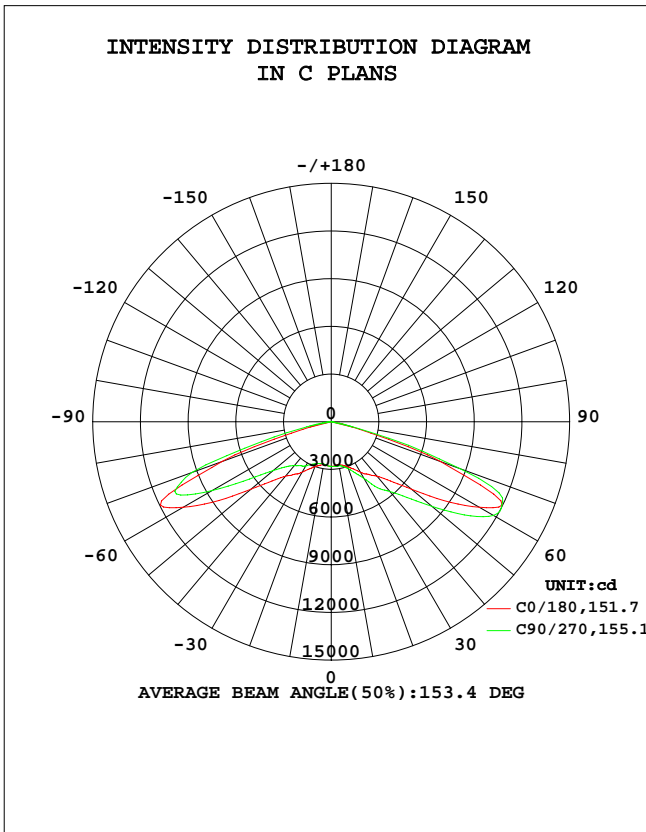


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 177.13 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	12099	η street_up(%)	0.0
NOMINAL POWER(W)	180	LOR(%)	100.0	η street_down(%)	53.8
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	31589	η house_up(%)	0.0
NOMINAL FLUX(lm)	31589.3	MAXIMUM @(C,γ )	120,63.0	η house_down(%)	46.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.966

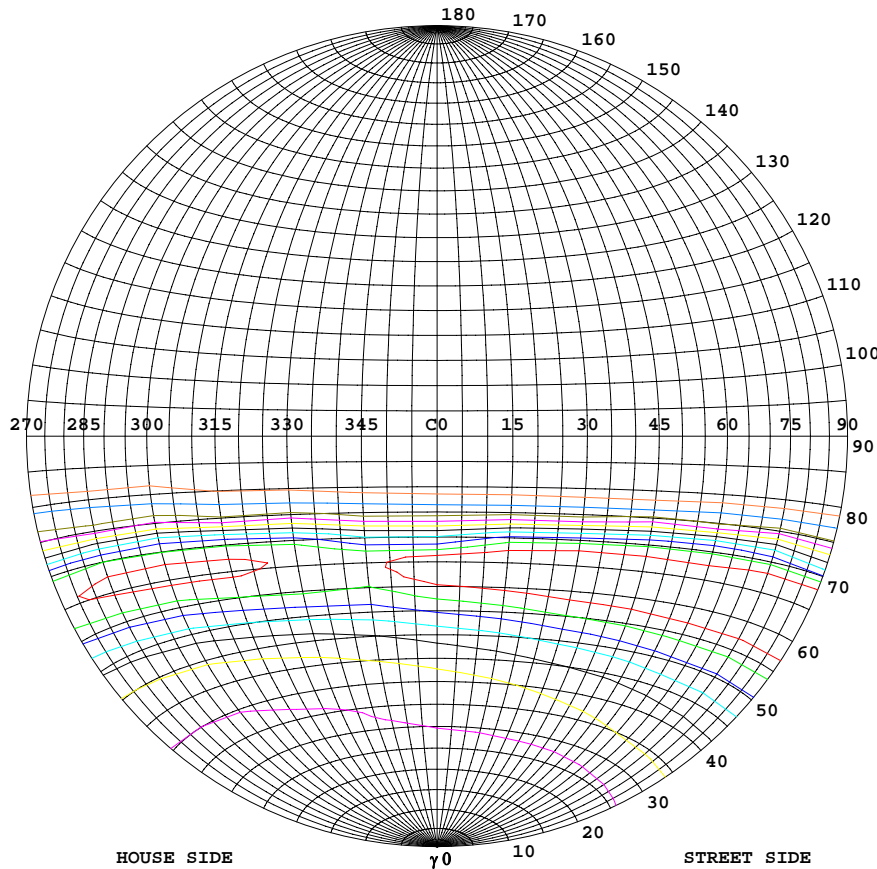


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:



**Classification:**

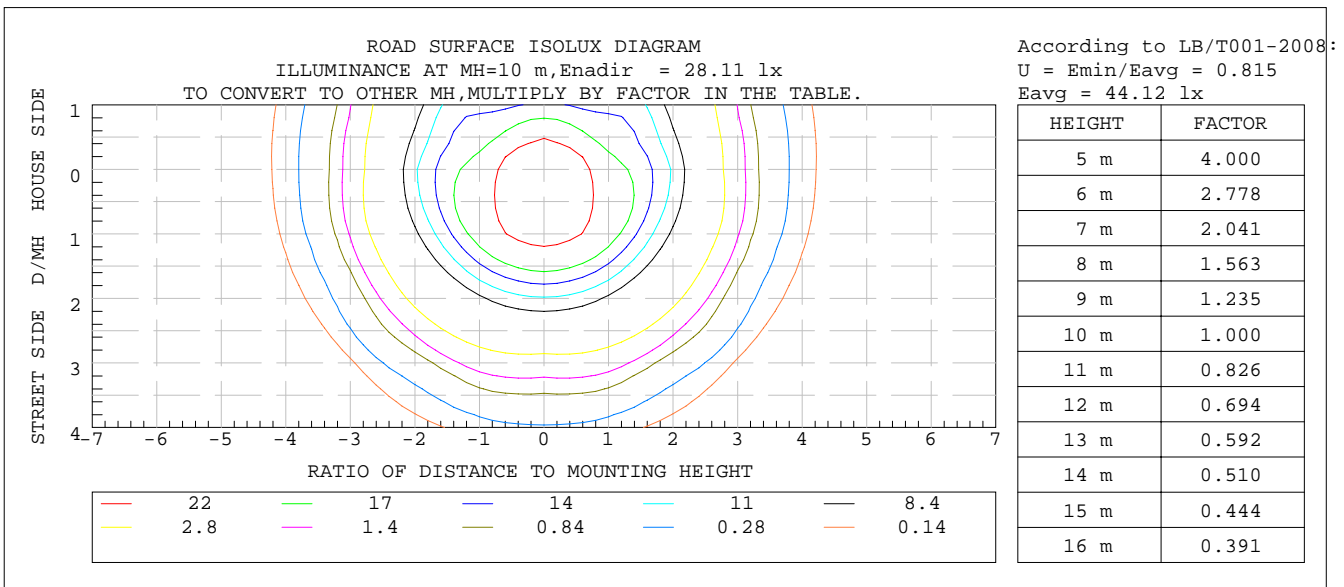
IES:Type V - Very Short  
 CIE:Broad - Intermediate  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:30.44cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:30.44cd/klm  
 NRB 5101:Limited[4.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12099
90%	10889
80%	9679
70%	8469
60%	7259
50%	6050
40%	4840
30%	3630
20%	2420
10%	1210
5%	605

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [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: 2019-09-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.801m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

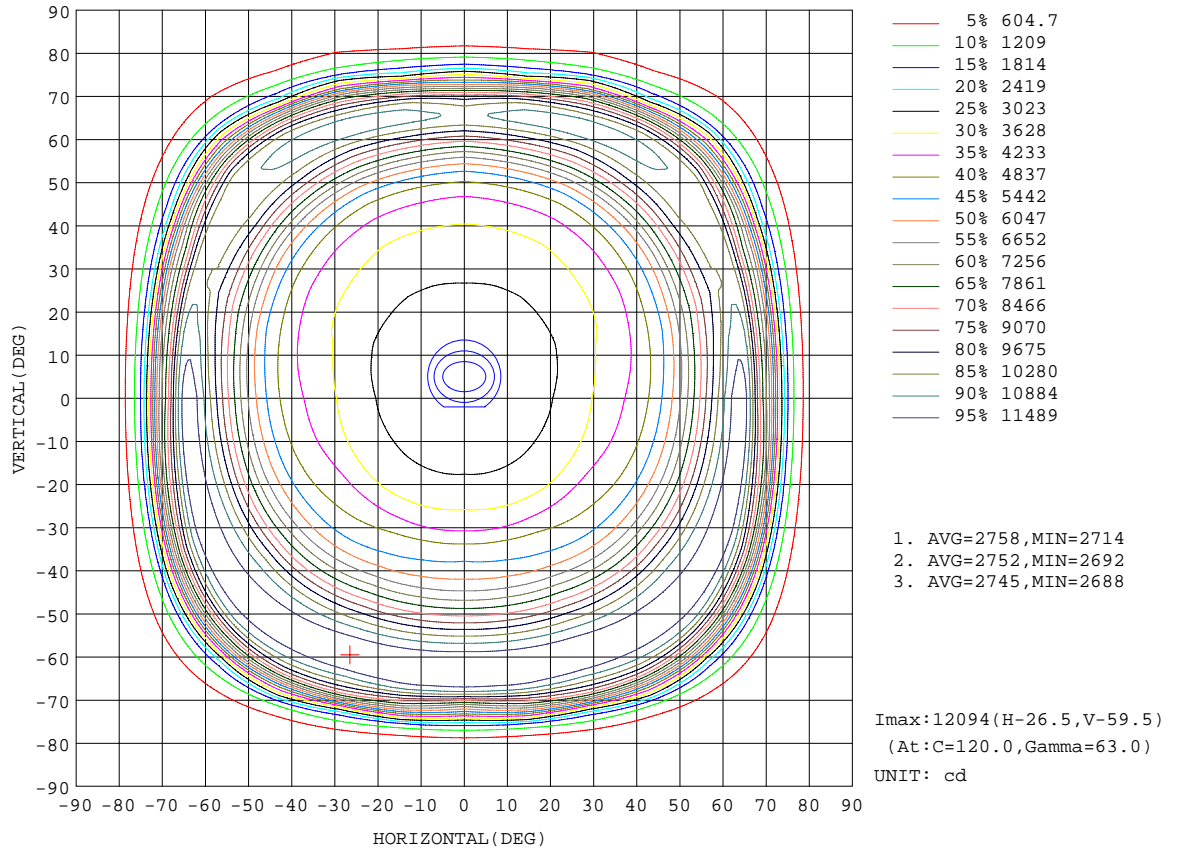
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	275.0	278.7	281.9	278.7	275.0	270.4	270.7	270.4	0- 10	264.7	264.7	0.84,0.84
20	300.6	308.1	314.8	308.1	300.6	283.2	282.5	283.2	10- 20	805.5	1070	3.39,3.39
30	366.9	392.8	412.0	392.8	366.9	329.1	321.2	329.1	20- 30	1511	2581	8.17,8.17
40	447.1	522.5	574.1	522.5	447.1	379.1	360.5	379.1	30- 40	2580	5160	16.3,16.3
50	661.6	785.5	829.4	785.5	661.6	532.5	479.1	532.5	40- 50	4197	9357	29.6,29.6
60	1077	1150	1178	1150	1077	964.1	867.7	964.1	50- 60	7655	17012	53.9,53.9
70	733.3	946.0	860.6	946.0	733.3	951.8	931.3	951.8	60- 70	10706	27718	87.7,87.7
80	35.16	31.26	31.61	31.26	35.16	58.76	96.16	58.76	70- 80	3712	31430	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	158.9	31589	100,100
100	0	0	0	0	0	0	0	0	90-100	0	31589	100,100
110	0	0	0	0	0	0	0	0	100-110	0	31589	100,100
120	0	0	0	0	0	0	0	0	110-120	0	31589	100,100
130	0	0	0	0	0	0	0	0	120-130	0	31589	100,100
140	0	0	0	0	0	0	0	0	130-140	0	31589	100,100
150	0	0	0	0	0	0	0	0	140-150	0	31589	100,100
160	0	0	0	0	0	0	0	0	150-160	0	31589	100,100
170	0	0	0	0	0	0	0	0	160-170	0	31589	100,100
180	0	0	0	0	0	0	0	0	170-180	0	31589	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

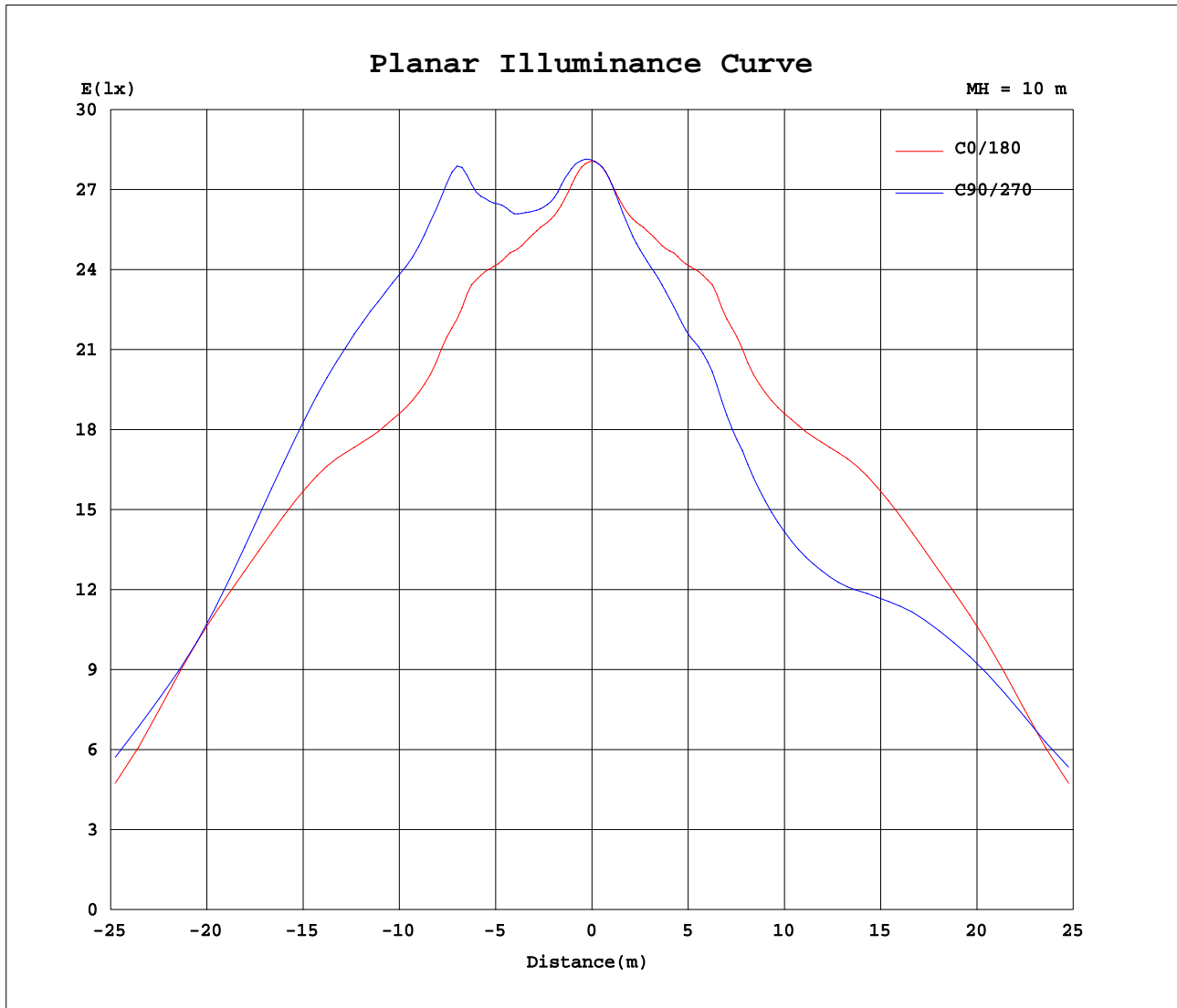
Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180WoT-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



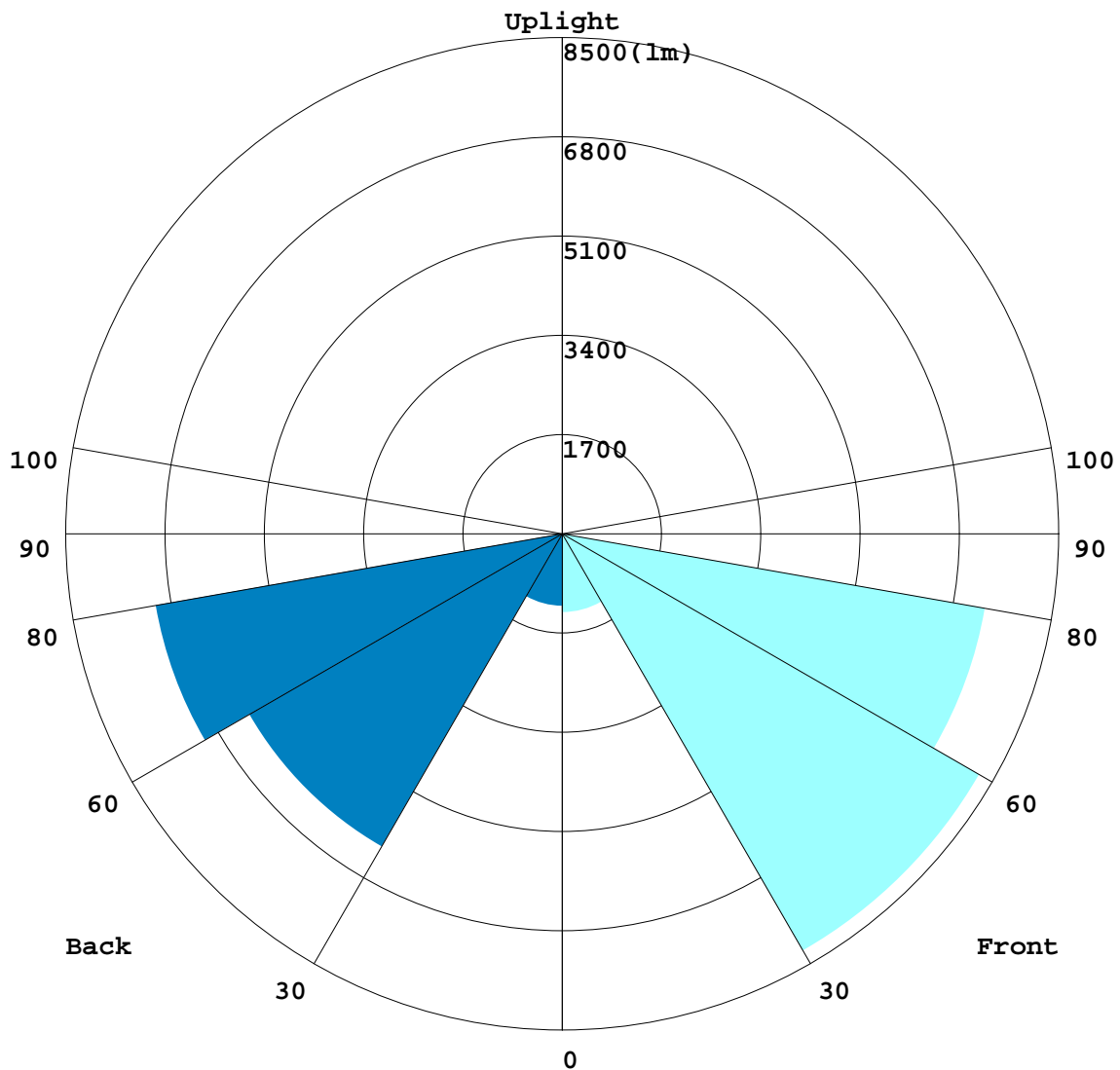
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-09-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.801m [K=1.0000]  
 Remarks:

LCS REPORT

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

BUG REPORT

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1345.9	4.3
FM - Front-Medium(30-60)	8245.2	26.1
FH - Front-High(60-80)	7351.4	23.3
FVH - Front-Very High(80-90)	46.769	0.1
Total Forward Light	16989	53.8

BL - Back-Low(0-30)	1234.9	3.9
BM - Back-Medium(30-60)	6186.4	19.6
BH - Back-High(60-80)	7066.7	22.4
BVH - Back-Very High(80-90)	112.12	0.4
Total Back Light	14600	46.2

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-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	14600	0	14600
Street Side	16989	0	16989

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

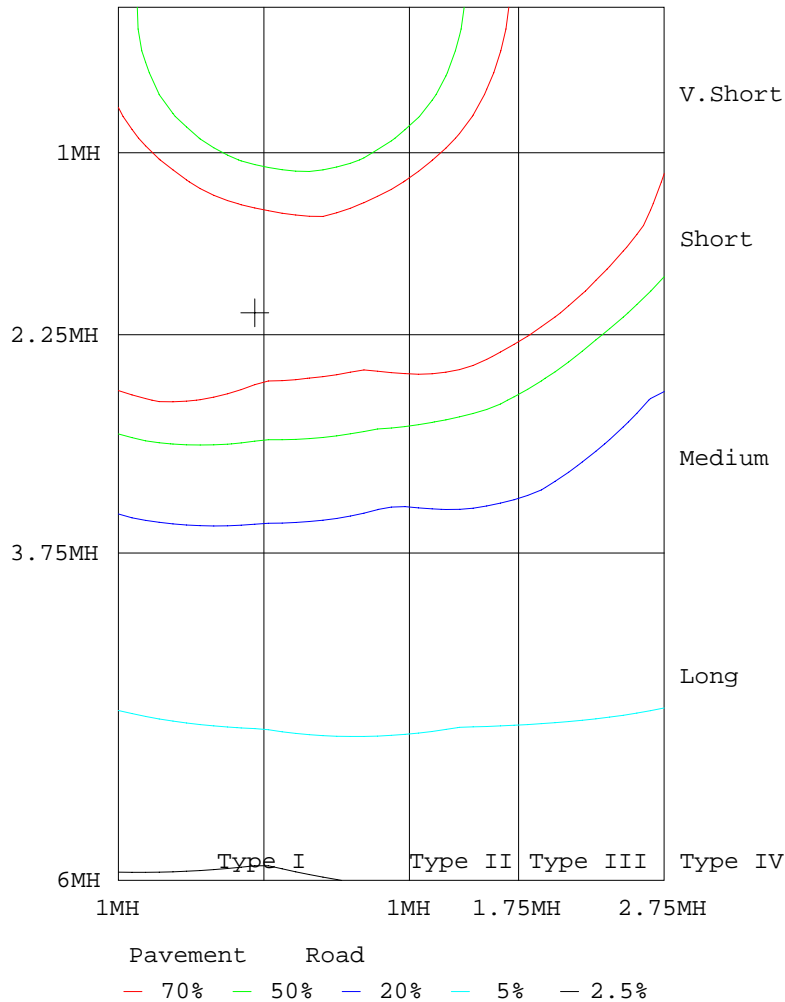
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180WOT-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

Table--1

UNIT: x10cd

C( DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281
5	278	279	280	281	281	282	283	282	281	281	280	279	278	278	278	277	277	277	278
10	275	276	278	279	280	281	282	281	280	279	278	276	275	273	272	270	270	270	271
15	284	286	287	288	289	290	292	290	289	288	287	286	284	279	275	273	271	272	272
20	301	304	306	308	310	313	315	313	310	308	306	304	301	292	286	283	280	282	282
25	327	331	335	339	344	350	355	350	344	339	335	331	327	314	304	300	294	294	296
30	367	374	385	393	403	407	412	407	403	393	385	374	367	349	337	329	321	320	321
35	404	422	443	464	485	500	507	500	485	464	443	422	404	375	360	348	339	337	338
40	447	472	498	523	549	566	574	566	549	523	498	472	447	419	394	379	366	363	360
45	527	560	597	626	658	669	674	669	658	626	597	560	527	488	456	433	415	409	401
50	662	702	752	786	819	825	829	825	819	786	752	702	662	599	561	533	502	491	479
55	864	910	964	988	1013	1016	1022	1016	1013	988	964	910	864	782	756	720	677	655	629
60	1077	1109	1136	1150	1173	1173	1178	1173	1173	1150	1136	1109	1077	959	987	964	914	897	868
65	1178	1184	1169	1175	1186	1188	1190	1188	1186	1175	1169	1184	1178	1050	1064	1105	1118	1102	1076
70	733	877	905	946	946	930	861	930	946	946	905	877	733	732	903	952	963	968	931
75	185	191	192	271	227	307	257	307	227	271	192	191	185	191	285	253	381	316	373
80	35.2	38.1	30.6	31.3	29.4	37.3	31.6	37.3	29.4	31.3	30.6	38.1	35.2	42.2	55.6	58.8	80.2	90.2	96.2
85	3.63	5.61	7.06	5.93	7.23	6.30	5.45	6.30	7.23	5.93	7.06	5.61	3.63	6.47	14.9	12.4	25.6	20.0	22.6
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:2019-09-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.8377A P:178.3W PF:0.9711 Freq:49.99Hz Lamp Flux:31589.3x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.5KG
SPEC.:AOK-180Wot-NV-L5-00-5070-T502-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG)\ γ (DEG)	285	300	315	330	345														
0	281	281	281	281	281														
5	277	277	277	278	278														
10	270	270	270	272	273														
15	272	271	273	275	279														
20	282	280	283	286	292														
25	294	294	300	304	314														
30	320	321	329	337	349														
35	337	339	348	360	375														
40	363	366	379	394	419														
45	409	415	433	456	488														
50	491	502	533	561	599														
55	655	677	720	756	782														
60	897	914	964	987	959														
65	1102	1118	1105	1064	1050														
70	968	963	952	903	732														
75	316	381	253	285	191														
80	90.2	80.2	58.8	55.6	42.2														
85	20.0	25.6	12.4	14.9	6.47														
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:2019-09-23

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks: