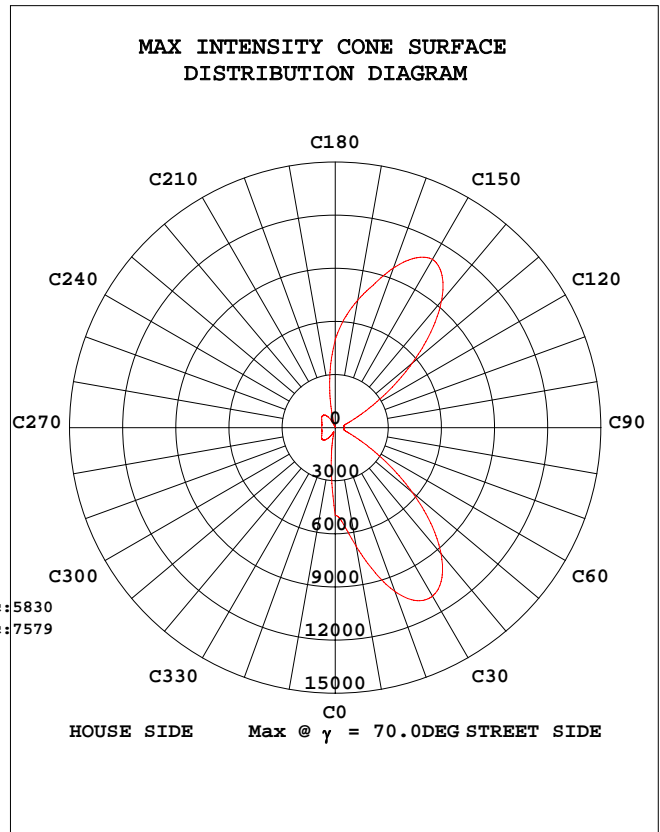
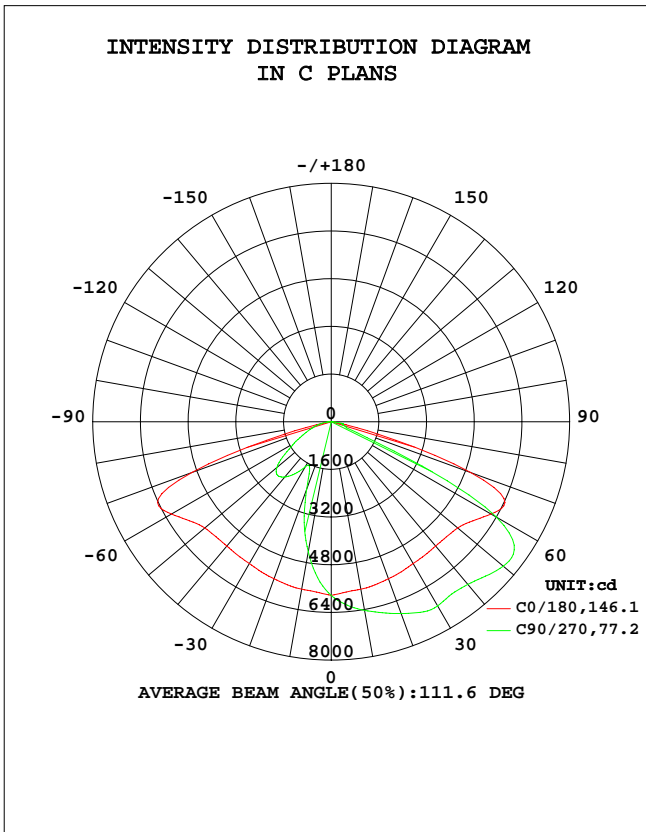


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:219.2V I:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 145.50 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	10983	η street_up(%)	0.0
NOMINAL POWER(W)	145	LOR(%)	100.0	η street_down(%)	74.4
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	20786	η house_up(%)	0.0
NOMINAL FLUX(lm)	20785.7	MAXIMUM @(C,γ )	150,70.0	η house_down(%)	25.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.569

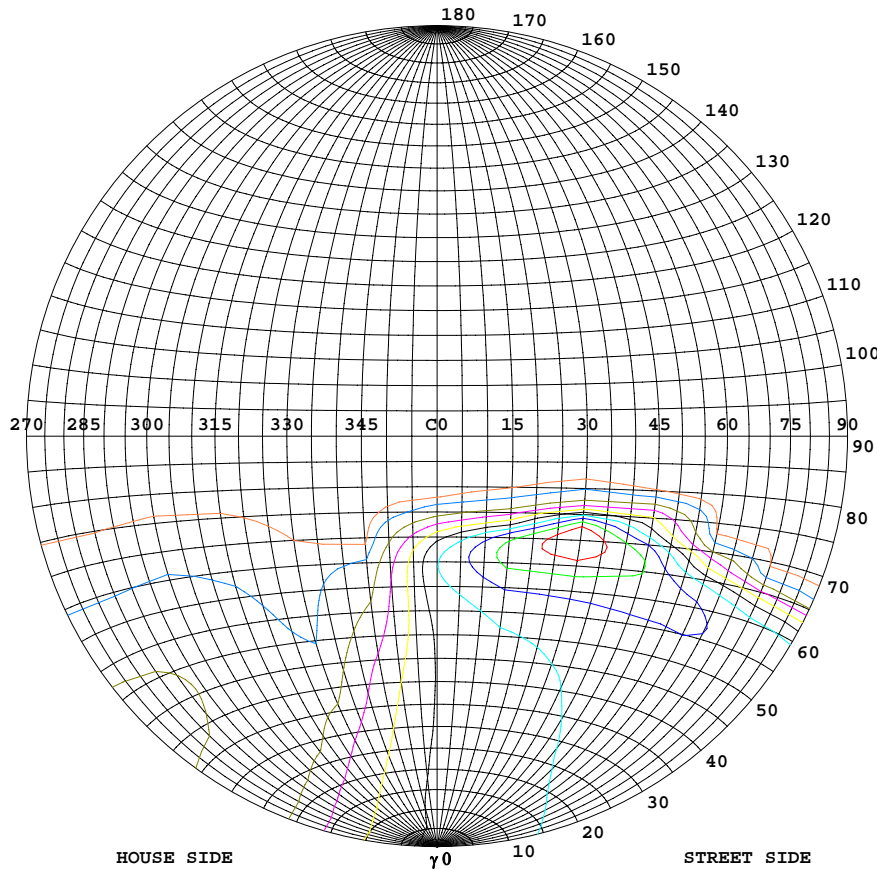


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-21

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:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



**Classification:**

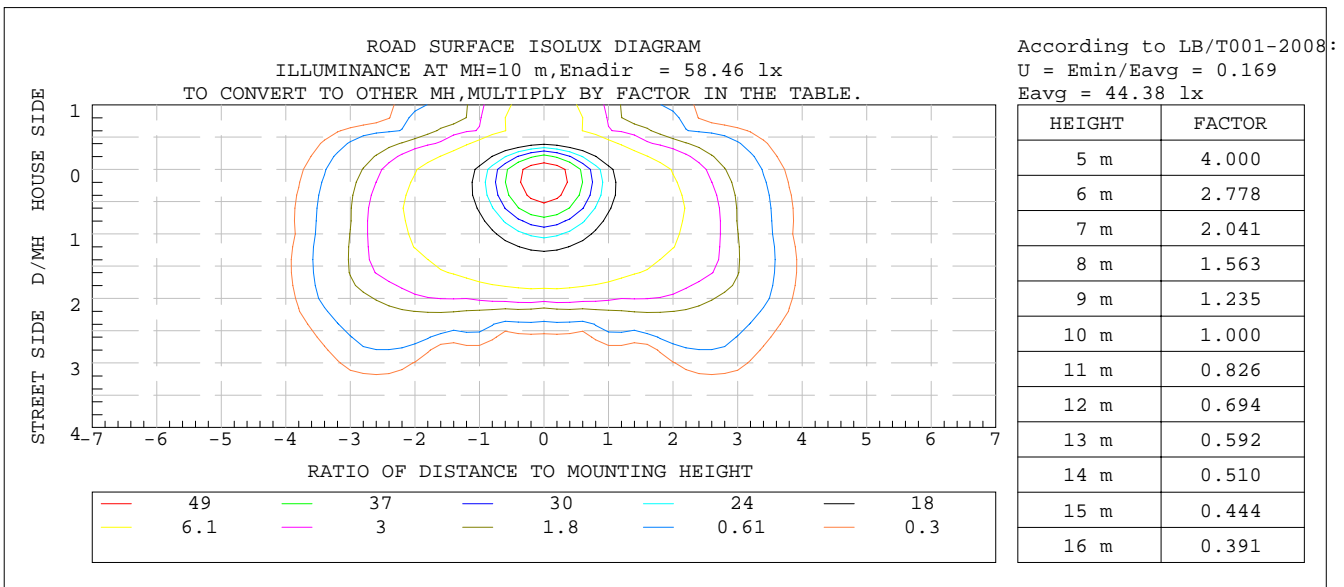
IES:Type III - Medium  
 CIE:Broad - Long  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:50.35cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:50.35cd/klm  
 NRB 5101:Limited[2.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10983
— 90%	9885
— 80%	8786
— 70%	7688
— 60%	6590
— 50%	5491
— 40%	4393
— 30%	3295
— 20%	2197
— 10%	1098
— 5%	549

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-21

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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-05-21

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:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

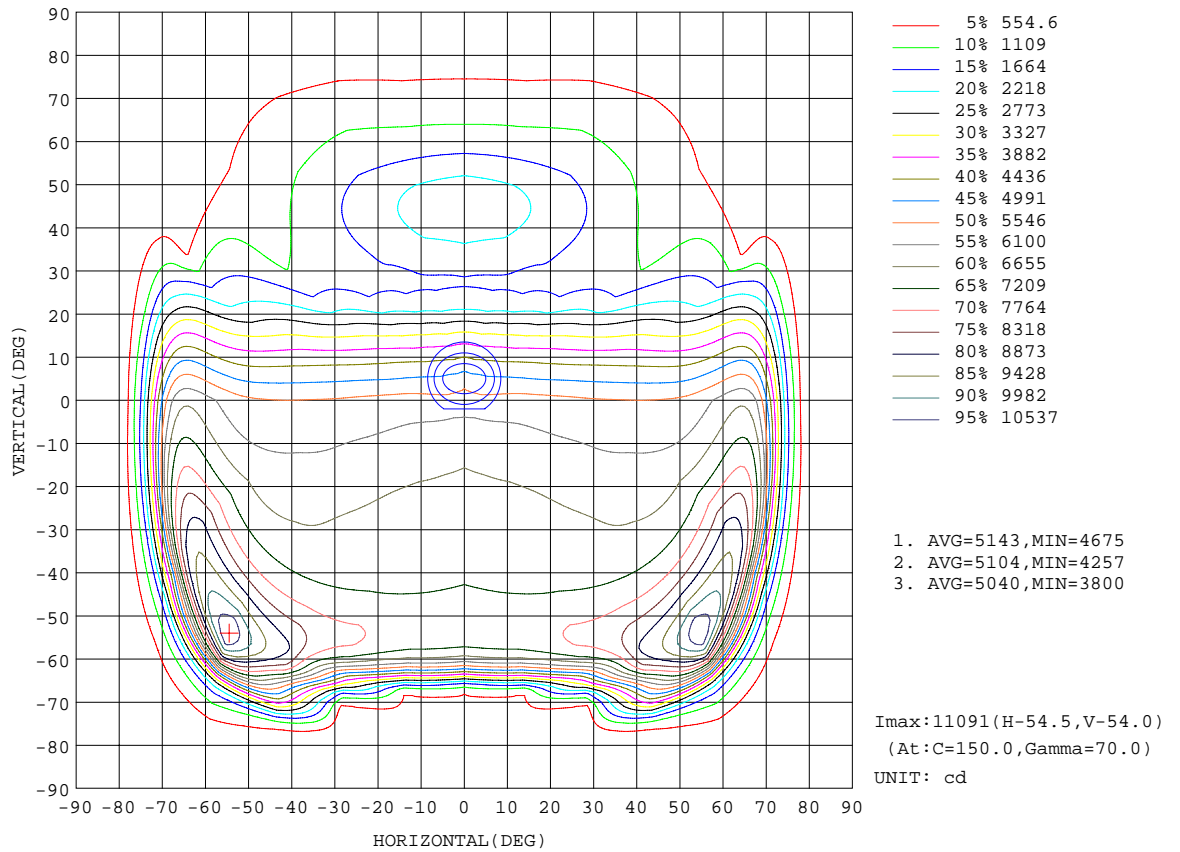
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	570.8	616.6	642.5	616.6	570.8	478.6	444.1	478.6	0- 10	538.4	538.4	2.59,2.59
20	560.9	639.5	684.9	639.5	560.9	346.5	242.4	346.5	10- 20	1489	2028	9.76,9.76
30	549.7	657.2	713.8	657.2	549.7	188.9	175.1	188.9	20- 30	2208	4236	20.4,20.4
40	544.7	676.6	712.8	676.6	544.7	136.6	242.1	136.6	30- 40	2875	7111	34.2,34.2
50	554.5	701.7	753.6	701.7	554.5	143.5	238.3	143.5	40- 50	3549	10660	51.3,51.3
60	619.6	809.6	639.5	809.6	619.6	118.7	143.3	118.7	50- 60	4155	14815	71.3,71.3
70	496.6	763.2	53.97	763.2	496.6	98.11	76.04	98.11	60- 70	4068	18883	90.8,90.8
80	26.07	59.13	39.79	59.13	26.07	28.62	30.05	28.62	70- 80	1751	20634	99.3,99.3
90	0	0	0	0	0	0	0	0	80- 90	152.0	20786	100,100
100	0	0	0	0	0	0	0	0	90-100	0	20786	100,100
110	0	0	0	0	0	0	0	0	100-110	0	20786	100,100
120	0	0	0	0	0	0	0	0	110-120	0	20786	100,100
130	0	0	0	0	0	0	0	0	120-130	0	20786	100,100
140	0	0	0	0	0	0	0	0	130-140	0	20786	100,100
150	0	0	0	0	0	0	0	0	140-150	0	20786	100,100
160	0	0	0	0	0	0	0	0	150-160	0	20786	100,100
170	0	0	0	0	0	0	0	0	160-170	0	20786	100,100
180	0	0	0	0	0	0	0	0	170-180	0	20786	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:2019-05-21

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

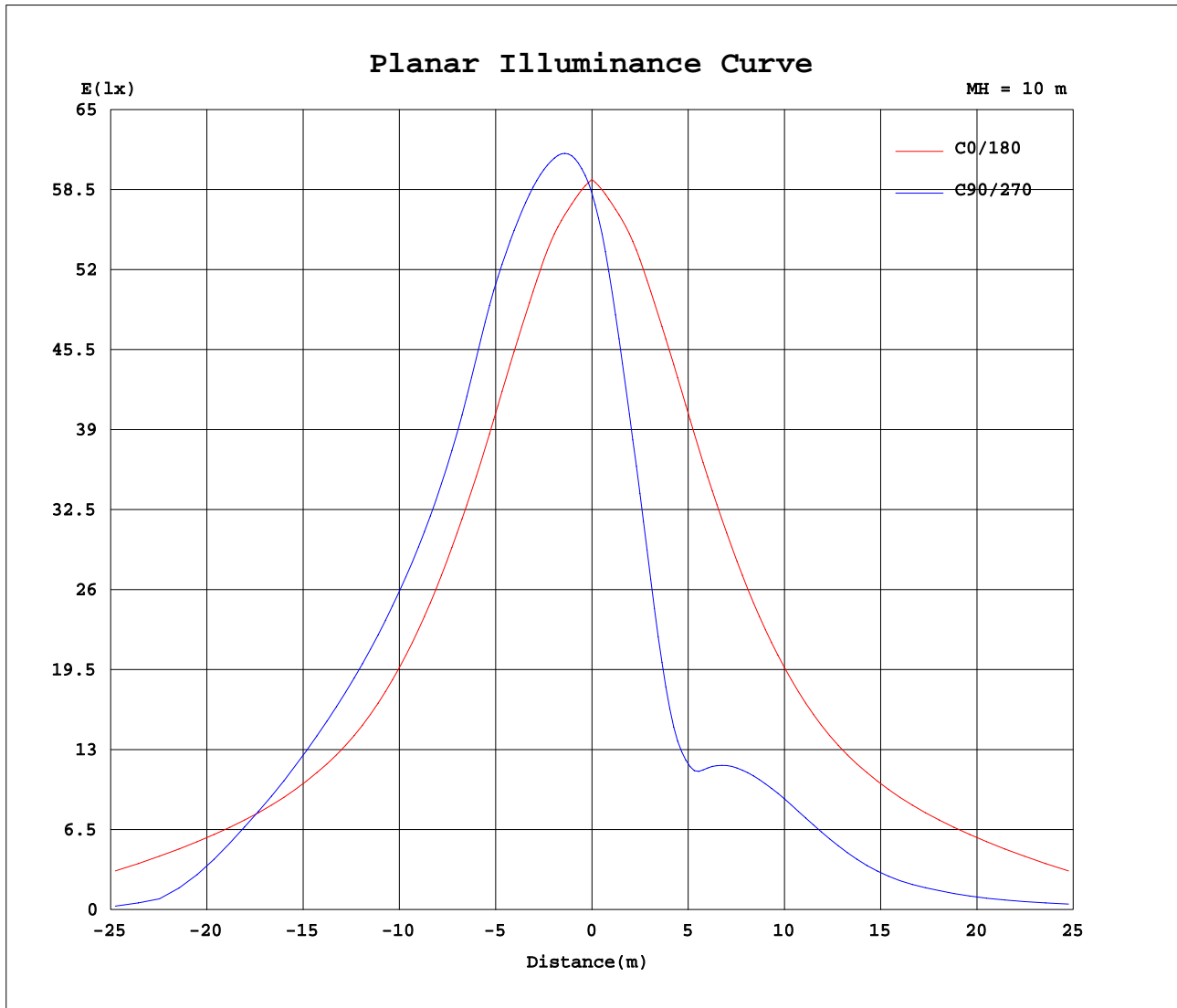
Test:U:219.2V I:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145WoT-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-21

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



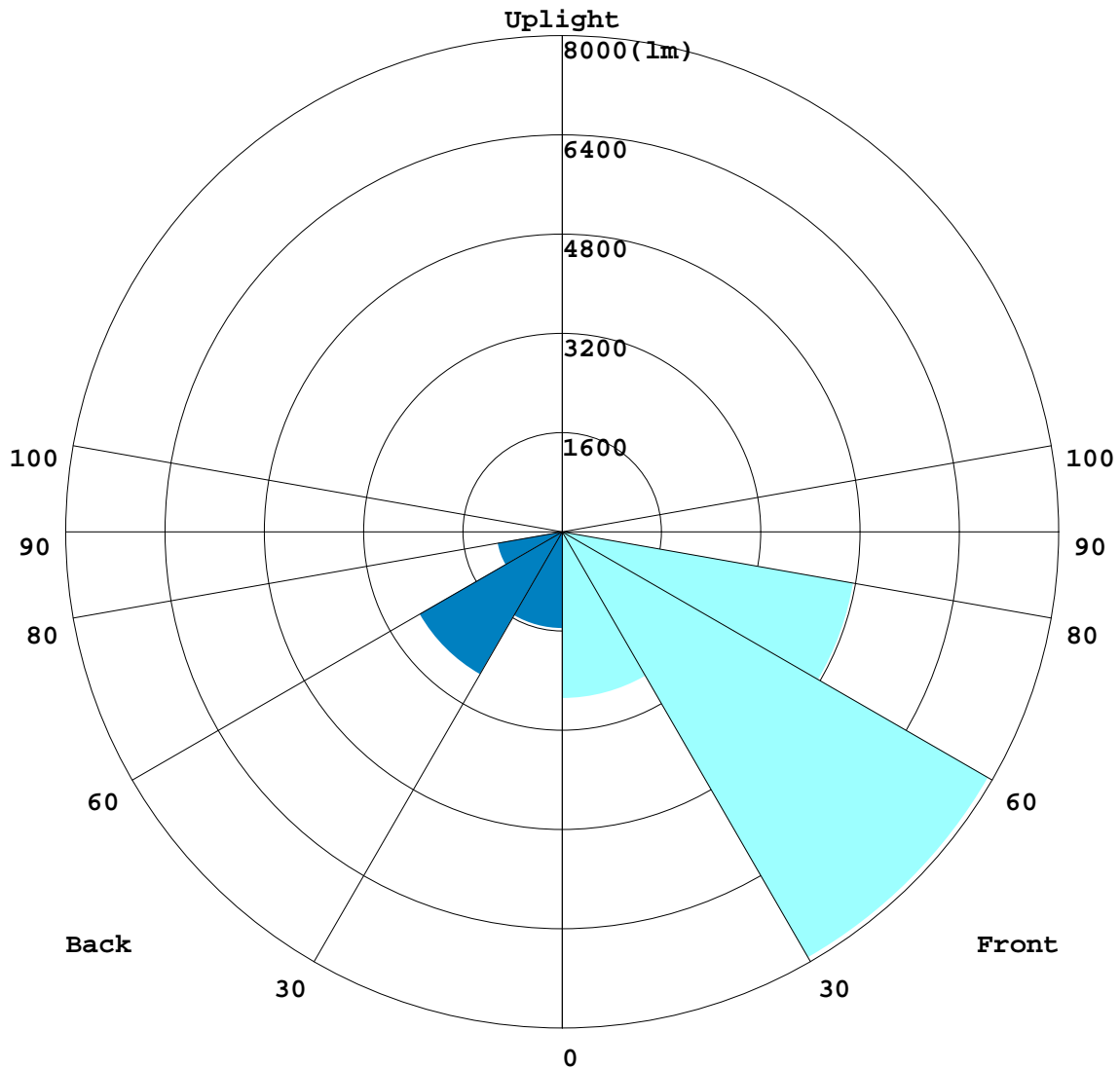
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-05-21

$\gamma$  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:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-21

$\gamma$  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:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2681.9	12.9
FM - Front-Medium(30-60)	7925.7	38.1
FH - Front-High(60-80)	4764.7	22.9
FVH - Front-Very High(80-90)	89.28	0.4
<b>Total Forward Light</b>	<b>15462</b>	<b>74.4</b>

BL - Back-Low(0-30)	1554	7.5
BM - Back-Medium(30-60)	2653.4	12.8
BH - Back-High(60-80)	1053.9	5.1
BVH - Back-Very High(80-90)	62.758	0.3
<b>Total Back Light</b>	<b>5324.1</b>	<b>25.6</b>

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
<b>Total Up Light</b>	<b>0</b>	<b>0.0</b>

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5324.1	0	5324.1
Street Side	15462	0	15462

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-21

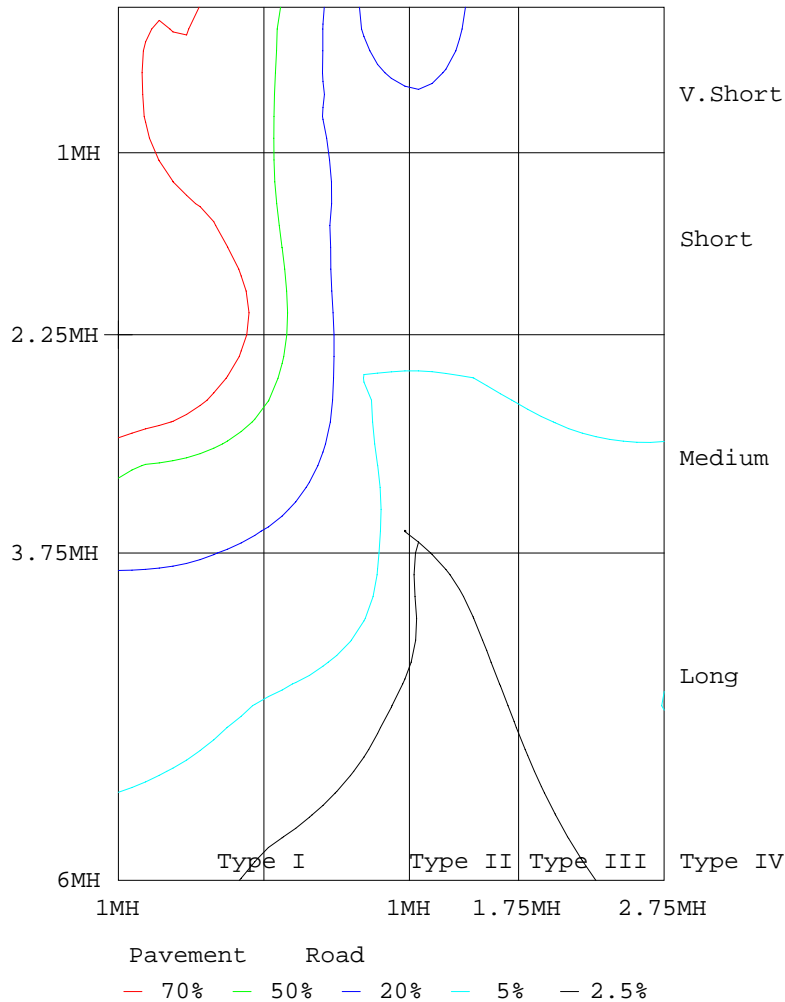
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-05-21

$\gamma$  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:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583	583
5	574	584	593	602	608	615	618	615	608	602	593	584	574	560	547	535	528	523	525
10	571	589	604	617	626	637	643	637	626	617	604	589	571	542	510	479	456	442	444
15	567	593	613	629	641	655	664	655	641	629	613	593	567	522	469	416	378	352	351
20	561	594	617	639	657	673	685	673	657	639	617	594	561	496	422	347	285	246	242
25	556	595	620	649	672	691	706	691	672	649	620	595	556	471	371	264	197	174	173
30	550	595	626	657	687	704	714	704	687	657	626	595	550	445	312	189	158	168	175
35	547	596	632	666	690	696	706	696	690	666	632	596	547	417	243	150	167	203	213
40	545	602	639	677	687	700	713	700	687	677	639	602	545	386	182	137	189	230	242
45	547	613	652	682	700	717	733	717	700	682	652	613	547	346	141	143	200	242	255
50	555	637	673	702	728	743	754	743	728	702	673	637	555	297	107	143	198	228	238
55	580	682	712	743	766	757	750	757	766	743	712	682	580	244	88.4	134	175	186	191
60	620	768	792	810	777	686	640	686	777	810	792	768	620	193	78.9	119	141	142	143
65	643	892	938	877	608	344	234	344	608	877	938	892	643	123	68.6	103	116	107	104
70	497	835	1098	763	221	53.5	54.0	53.5	221	763	1098	835	497	42.4	55.5	98.1	88.7	78.6	76.0
75	164	290	629	444	41.6	41.6	40.1	41.6	41.6	444	629	290	164	25.2	37.6	62.6	62.2	53.9	52.9
80	26.1	51.1	105	59.1	28.1	38.3	39.8	38.3	28.1	59.1	105	51.1	26.1	13.8	51.4	28.6	34.1	30.5	30.0
85	4.28	6.37	17.5	11.4	16.6	11.6	11.0	11.6	16.6	11.4	17.5	6.37	4.28	4.97	12.8	8.57	9.61	11.2	12.2
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:2019-05-21

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:0.6699A P:142.9W PF:0.9727 Freq:49.99Hz Lamp Flux:20785.7x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:4.5KG
SPEC.:AOK-145Wot-NV-L3-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: x10cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	583	583	583	583	583														
5	523	528	535	547	560														
10	442	456	479	510	542														
15	352	378	416	469	522														
20	246	285	347	422	496														
25	174	197	264	371	471														
30	168	158	189	312	445														
35	203	167	150	243	417														
40	230	189	137	182	386														
45	242	200	143	141	346														
50	228	198	143	107	297														
55	186	175	134	88.4	244														
60	142	141	119	78.9	193														
65	107	116	103	68.6	123														
70	78.6	88.7	98.1	55.5	42.4														
75	53.9	62.2	62.6	37.6	25.2														
80	30.5	34.1	28.6	51.4	13.8														
85	11.2	9.61	8.57	12.8	4.97														
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:2019-05-21

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: