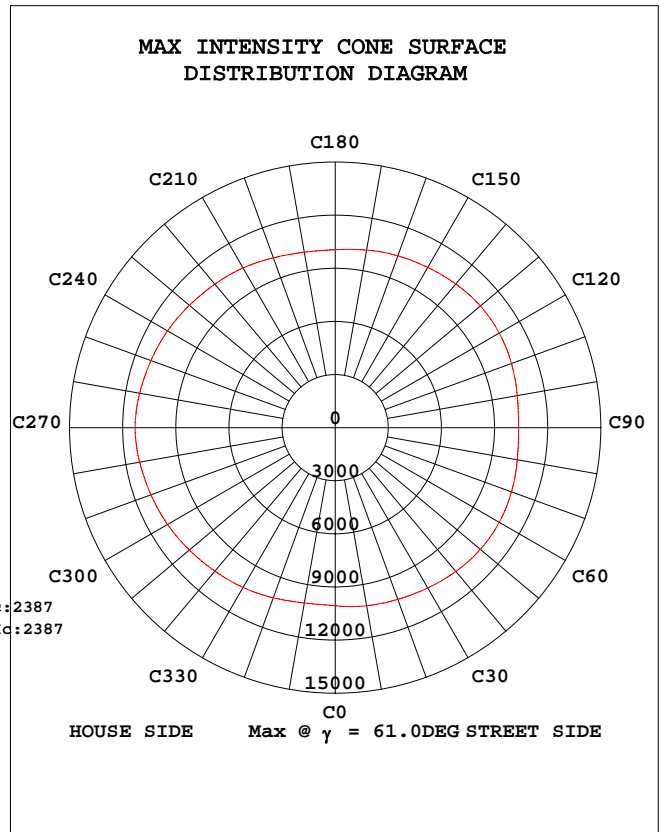
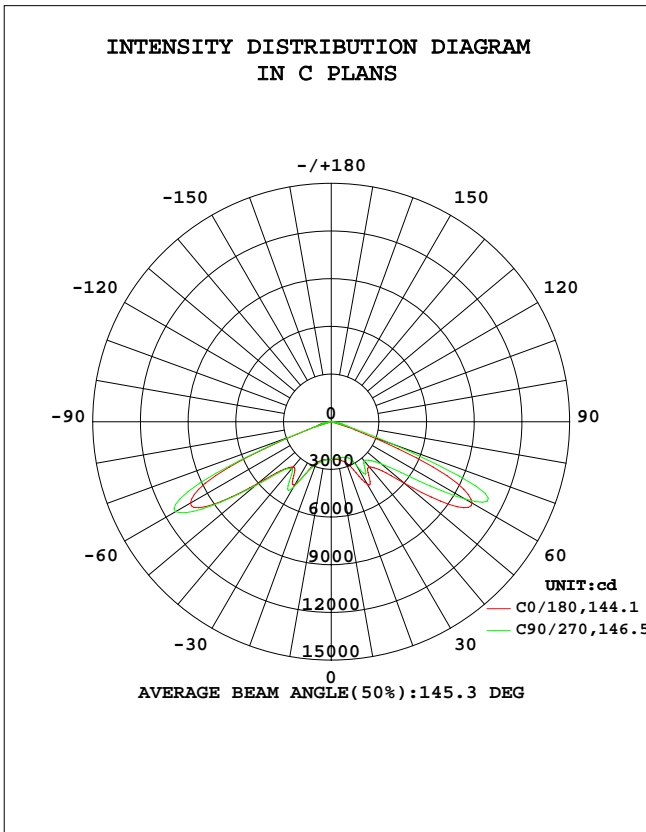


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:219.2V I:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.78 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	11304	η street_up(%)	0.0
NOMINAL POWER(W)	180	LOR(%)	100.0	η street_down(%)	48.5
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	25849	η house_up(%)	0.0
NOMINAL FLUX(lm)	25848.8	MAXIMUM @(C,γ )	270,61.0	η house_down(%)	51.5
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.542

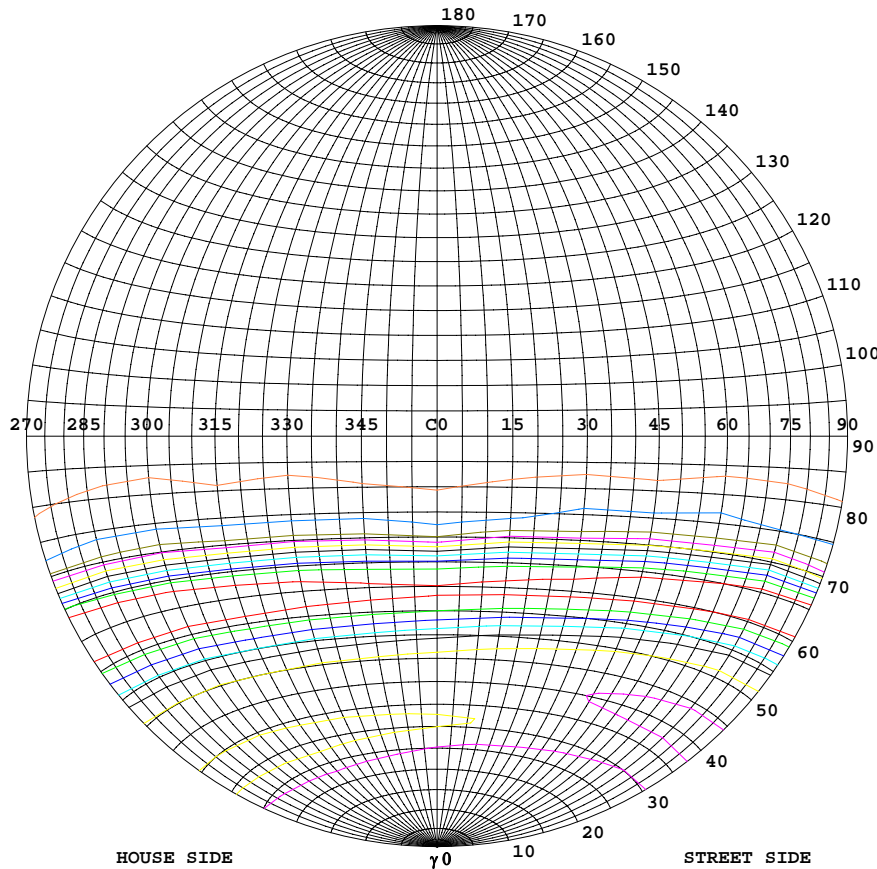


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-02

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:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:



**Classification:**

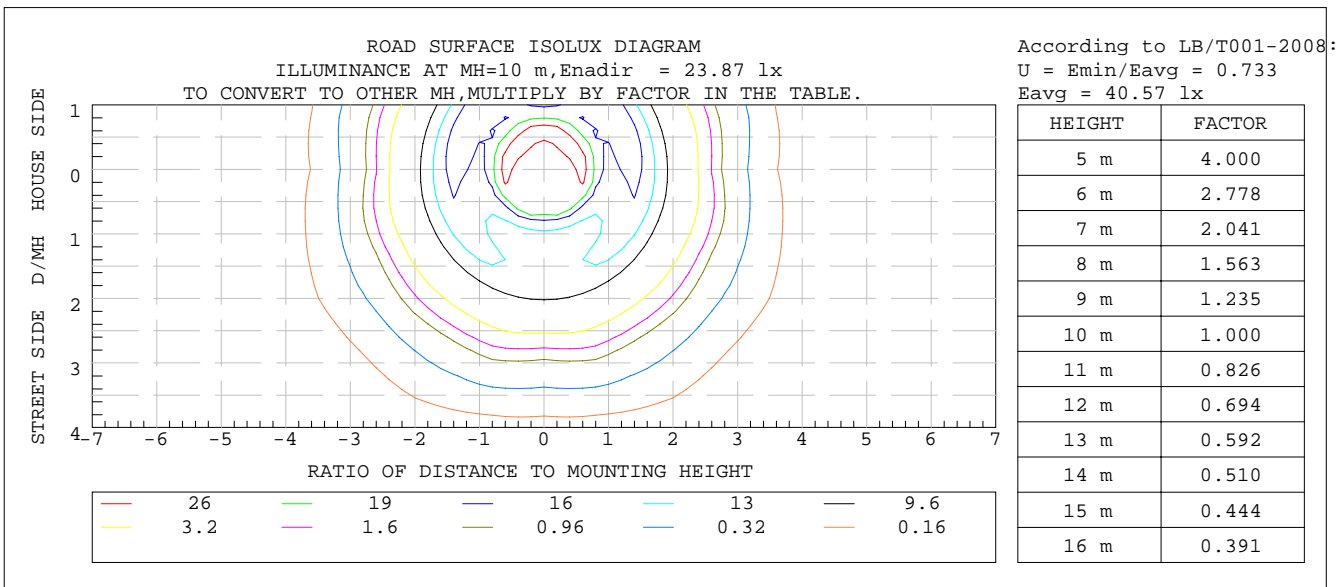
IES:Type V - Very Short  
 CIE:Broad - Intermediate  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:33.08cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:33.08cd/klm  
 NRB 5101:Limited[4.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	11304
90%	10174
80%	9043
70%	7913
60%	6782
50%	5652
40%	4522
30%	3391
20%	2261
10%	1130
5%	565

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-02

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: 2019-11-02

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:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:

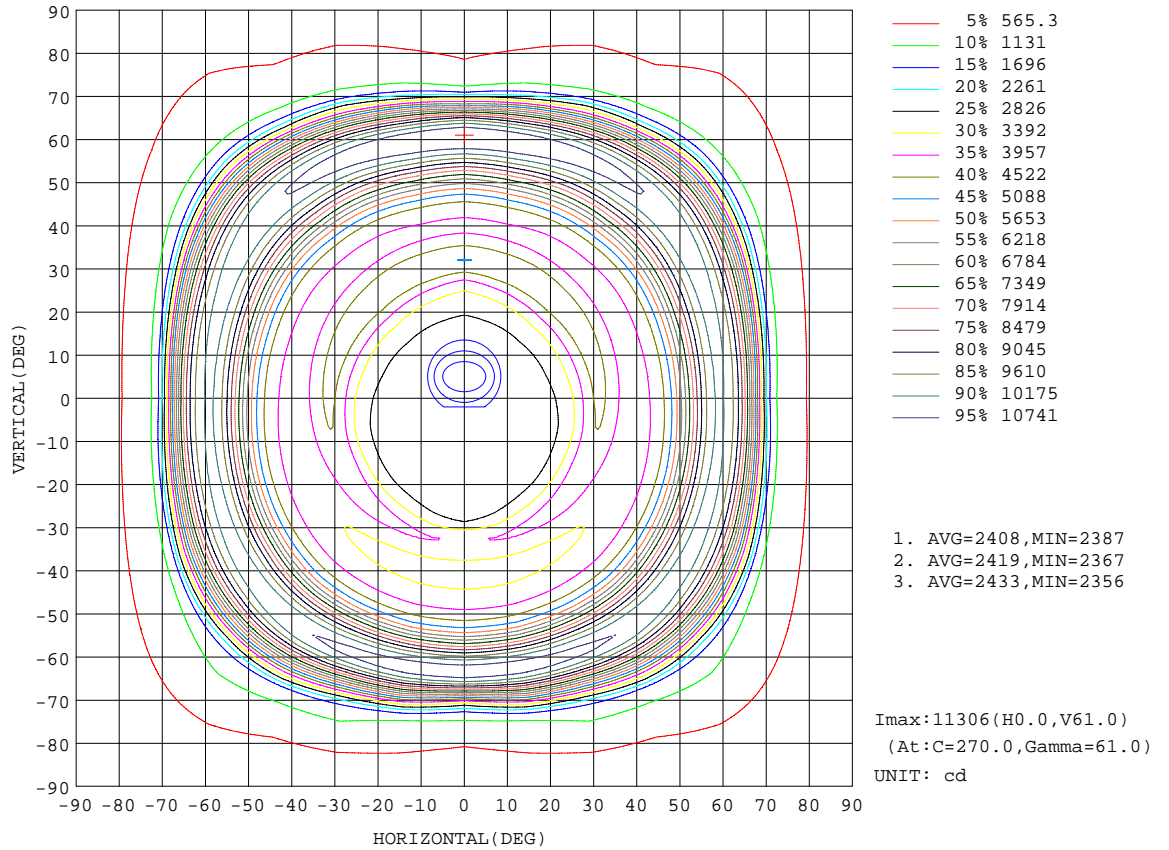
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	242.2	235.3	232.5	235.3	242.2	247.5	247.0	247.5	0- 10	227.7	227.7	0.88,0.88
20	275.2	253.4	239.1	253.4	275.2	298.8	287.5	298.8	10- 20	722.6	950.3	3.68,3.68
30	454.5	392.7	320.2	392.7	454.5	489.6	476.3	489.6	20- 30	1587	2538	9.82,9.82
40	373.3	337.9	323.4	337.9	373.3	381.5	387.0	381.5	30- 40	2548	5086	19.7,19.7
50	605.1	468.0	414.3	468.0	605.1	675.1	632.2	675.1	40- 50	3340	8426	32.6,32.6
60	1023	1043	973.4	1043	1023	1081	1130	1081	50- 60	7522	15948	61.7,61.7
70	230.0	442.0	410.0	442.0	230.0	286.8	268.0	286.8	60- 70	8129	24077	93.1,93.1
80	52.49	74.72	62.15	74.72	52.49	64.22	51.73	64.22	70- 80	1436	25513	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	336.0	25849	100,100
100	0	0	0	0	0	0	0	0	90-100	0	25849	100,100
110	0	0	0	0	0	0	0	0	100-110	0	25849	100,100
120	0	0	0	0	0	0	0	0	110-120	0	25849	100,100
130	0	0	0	0	0	0	0	0	120-130	0	25849	100,100
140	0	0	0	0	0	0	0	0	130-140	0	25849	100,100
150	0	0	0	0	0	0	0	0	140-150	0	25849	100,100
160	0	0	0	0	0	0	0	0	150-160	0	25849	100,100
170	0	0	0	0	0	0	0	0	160-170	0	25849	100,100
180	0	0	0	0	0	0	0	0	170-180	0	25849	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:2019-11-02

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

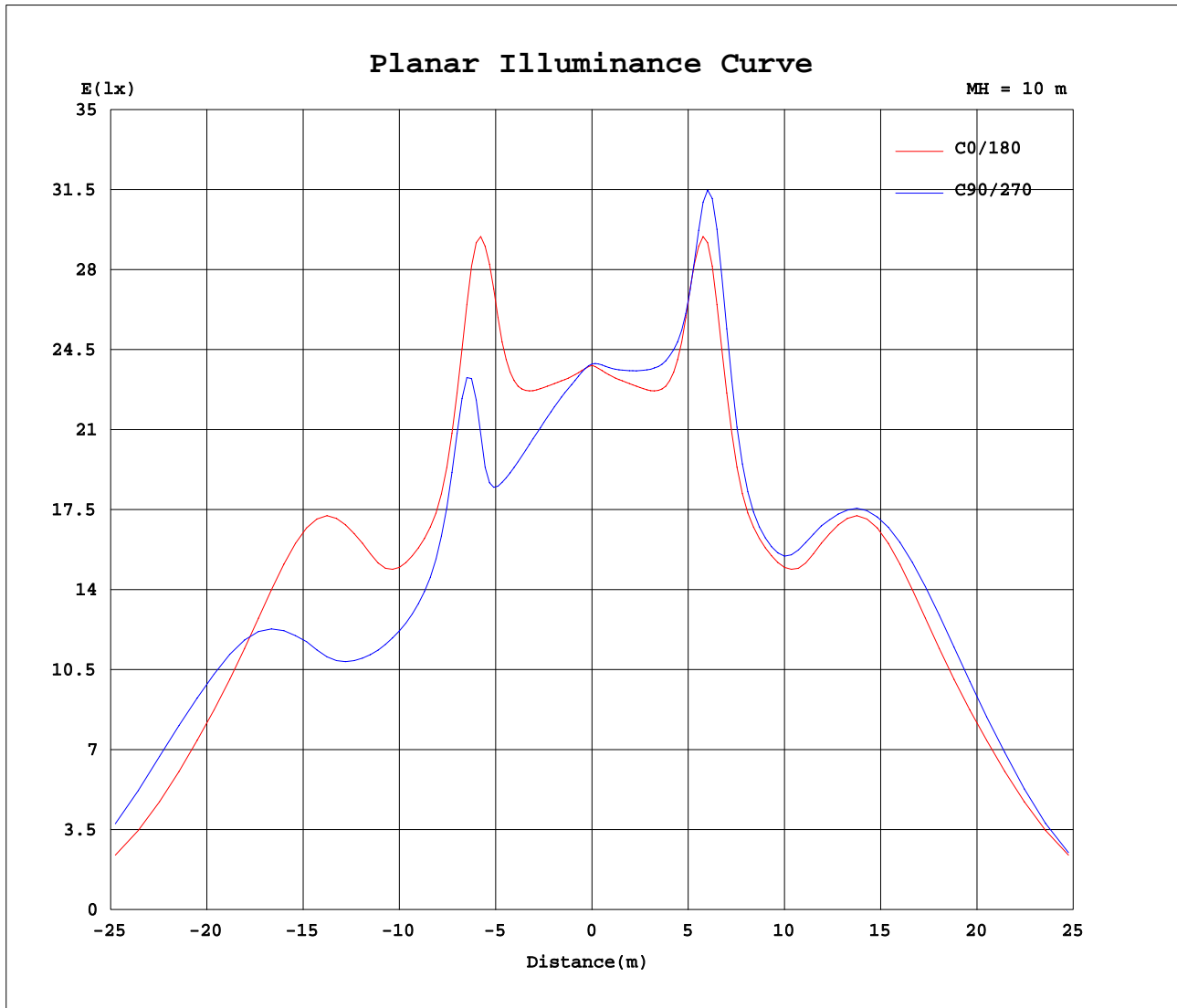
Test:U:219.2V I:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180WoT-NV-L3-00-5070-T501-P	DIM.: 679*350*56mm	SERIAL No.:
MFR.: AOK	SUR.:270*270mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-02

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



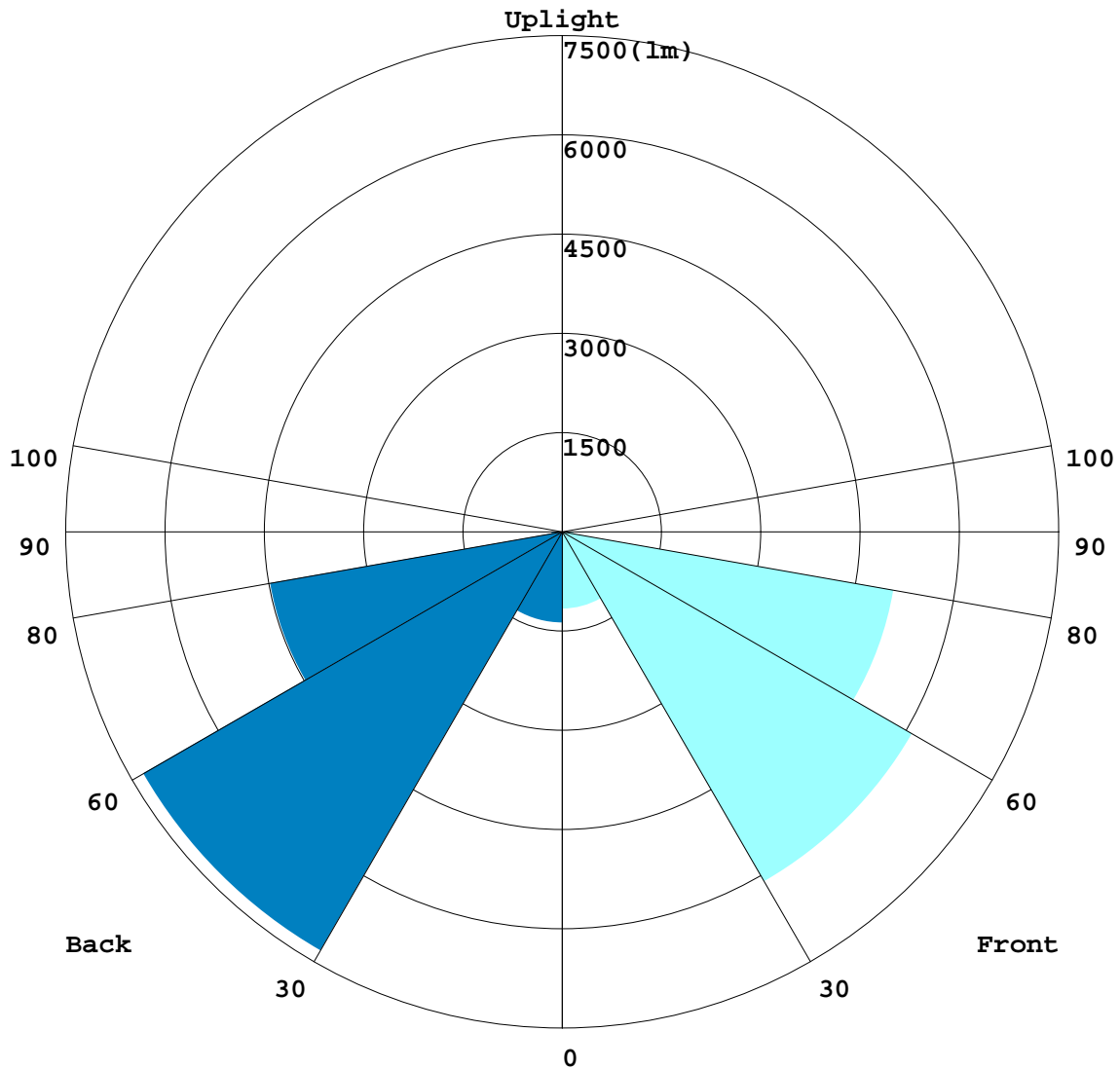
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-11-02

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:

LCS REPORT

Test:U:219.2V I:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-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:2019-11-02

$\gamma$  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:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-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)	1163.7	4.5
FM - Front-Medium(30-60)	6104.1	23.6
FH - Front-High(60-80)	5083.8	19.7
FVH - Front-Very High(80-90)	175.28	0.7
<b>Total Forward Light</b>	<b>12527</b>	<b>48.5</b>

BL - Back-Low(0-30)	1373.9	5.3
BM - Back-Medium(30-60)	7306	28.3
BH - Back-High(60-80)	4481.4	17.3
BVH - Back-Very High(80-90)	160.67	0.6
<b>Total Back Light</b>	<b>13322</b>	<b>51.5</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	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	13322	0	13322
Street Side	12527	0	12527

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-11-02

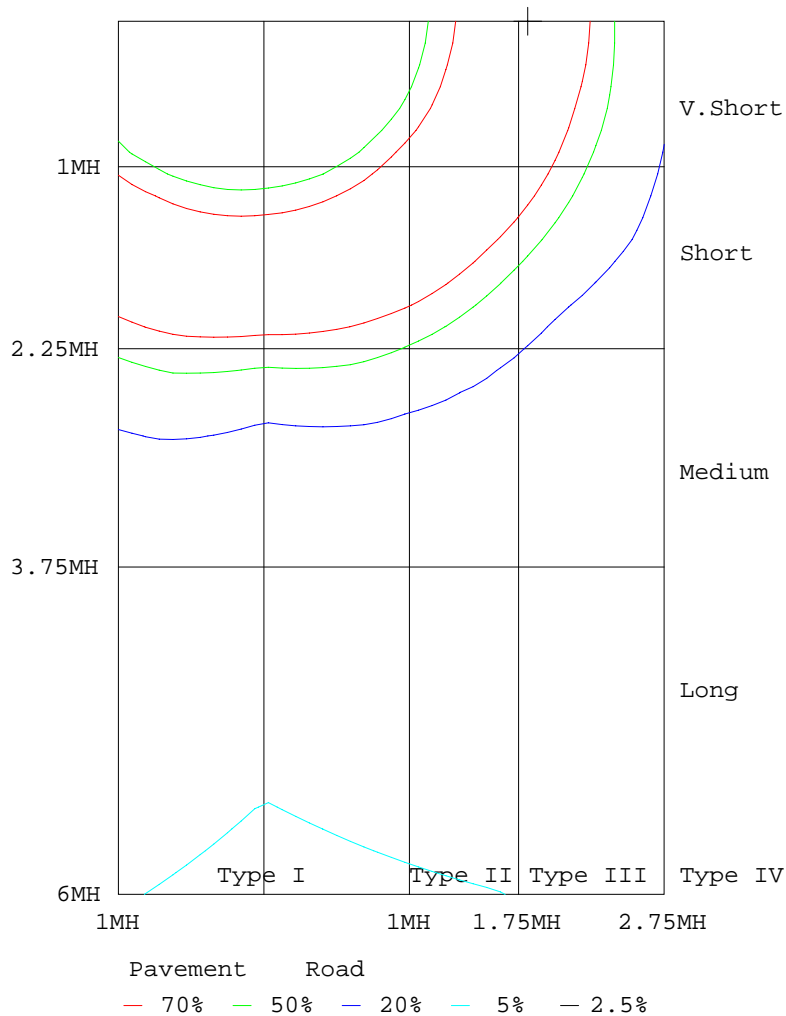
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.801m [K=1.0000]  
 Remarks:



ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-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:2019-11-02

$\gamma$  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:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180Wot-NV-L3-00-5070-T501-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	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239	239
5	237	236	236	235	234	234	234	234	234	235	236	236	237	238	239	239	240	240	240
10	242	240	237	235	234	233	233	233	234	235	237	240	242	244	246	247	248	248	247
15	254	249	245	241	238	235	234	235	238	241	245	249	254	258	261	264	264	264	262
20	275	266	260	253	248	242	239	242	248	253	260	266	275	285	292	299	296	293	287
25	334	312	301	286	274	259	251	259	274	286	301	312	334	358	373	385	375	361	340
30	454	435	419	393	369	337	320	337	369	393	419	435	454	466	478	490	492	492	476
35	412	405	392	387	381	381	379	381	381	387	392	405	412	415	422	426	438	447	462
40	373	362	350	338	329	325	323	325	329	338	350	362	373	376	378	382	383	387	387
45	425	407	390	372	358	347	345	347	358	372	390	407	425	435	441	451	447	449	437
50	605	553	511	468	443	420	414	420	443	468	511	553	605	635	653	675	662	659	632
55	908	862	819	746	689	625	602	625	689	746	819	862	908	929	940	959	947	951	925
60	1023	1035	1042	1043	1030	996	973	996	1030	1043	1042	1035	1023	1030	1056	1081	1104	1124	1130
65	804	864	893	959	999	1054	1069	1054	999	959	893	864	804	816	839	836	861	868	912
70	230	370	384	442	462	515	410	515	462	442	384	370	230	293	317	287	328	292	268
75	82.7	100	123	122	128	116	106	116	128	122	123	100	82.7	89.4	99.3	91.2	99.2	79.4	68.6
80	52.5	67.8	82.3	74.7	85.5	74.7	62.2	74.7	85.5	74.7	82.3	67.8	52.5	61.2	76.5	64.2	76.7	62.7	51.7
85	16.6	28.9	33.3	26.5	37.0	36.0	25.7	36.0	37.0	26.5	33.3	28.9	16.6	24.4	31.3	22.2	37.2	34.5	24.8
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:2019-11-02

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:0.8473A P:179.8W PF:0.9681 Freq:49.99Hz Lamp Flux:25848.8x1 lm		
NAME: AOK OT	TYPE:LED 球场灯	WEIGHT:7.2KG
SPEC.:AOK-180WOT-NV-L3-00-5070-T501-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	239	239	239	239	239														
5	240	240	239	239	238														
10	248	248	247	246	244														
15	264	264	264	261	258														
20	293	296	299	292	285														
25	361	375	385	373	358														
30	492	492	490	478	466														
35	447	438	426	422	415														
40	387	383	382	378	376														
45	449	447	451	441	435														
50	659	662	675	653	635														
55	951	947	959	940	929														
60	1124	1104	1081	1056	1030														
65	868	861	836	839	816														
70	292	328	287	317	293														
75	79.4	99.2	91.2	99.3	89.4														
80	62.7	76.7	64.2	76.5	61.2														
85	34.5	37.2	22.2	31.3	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:2019-11-02

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: