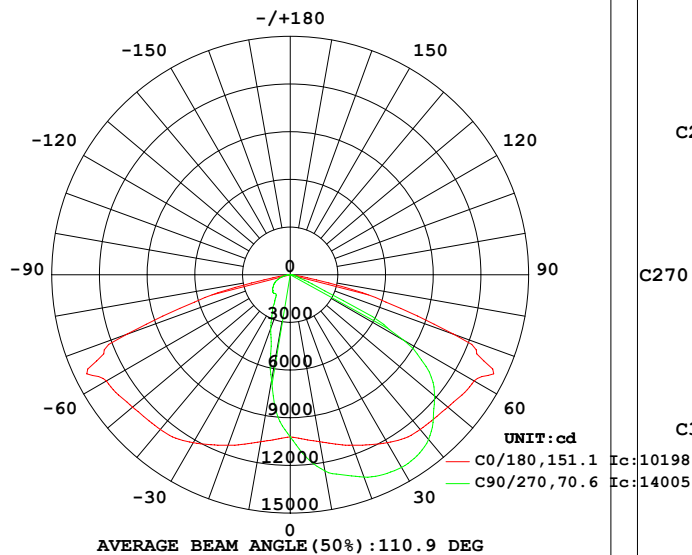
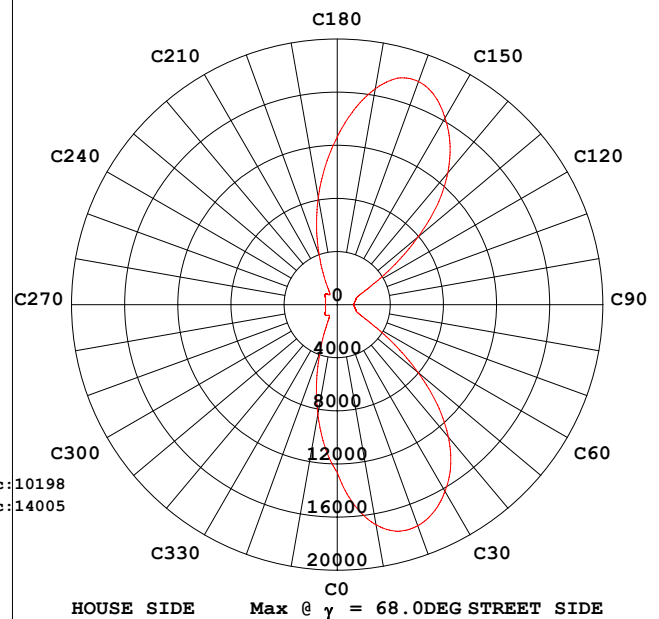


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WinM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.14 lm/W			
MODEL	Y2	I <sub>max</sub> (cd)	17663	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	315	LOR (%)	100.0	$\eta$ street_down (%)	74.5
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	39773	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	39772.7	MAXIMUM @ (C, $\gamma$ )	15,68.0	$\eta$ house_down (%)	25.5
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	21.575

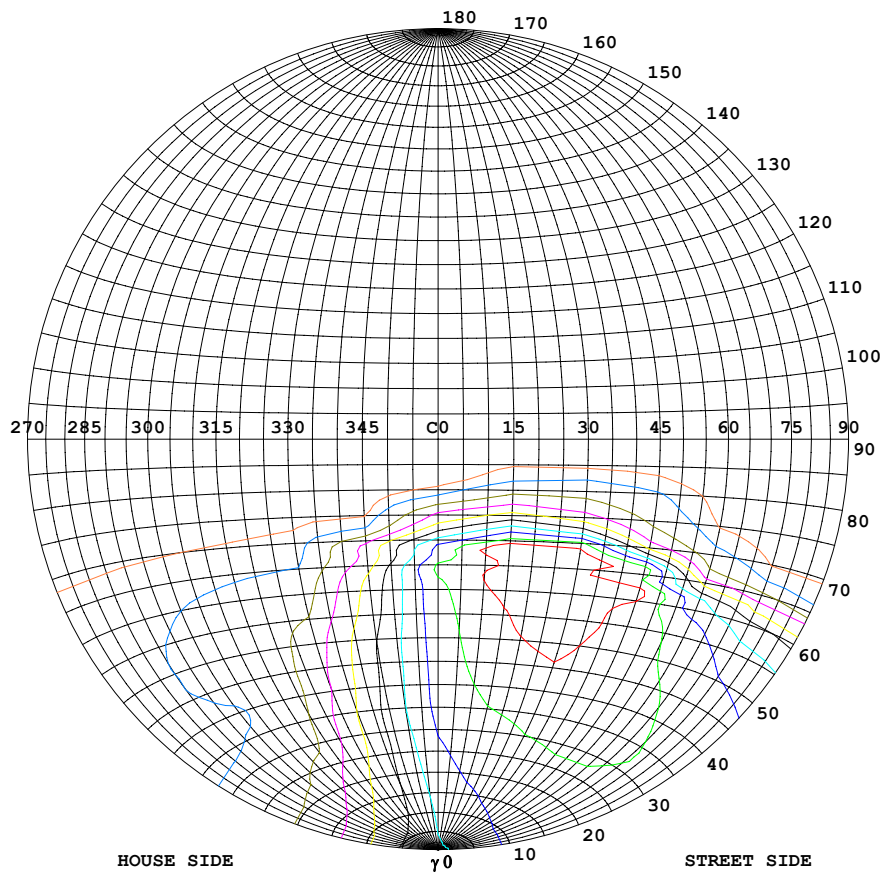
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-26

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi 460 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 410$ mm	Shielding Angle:



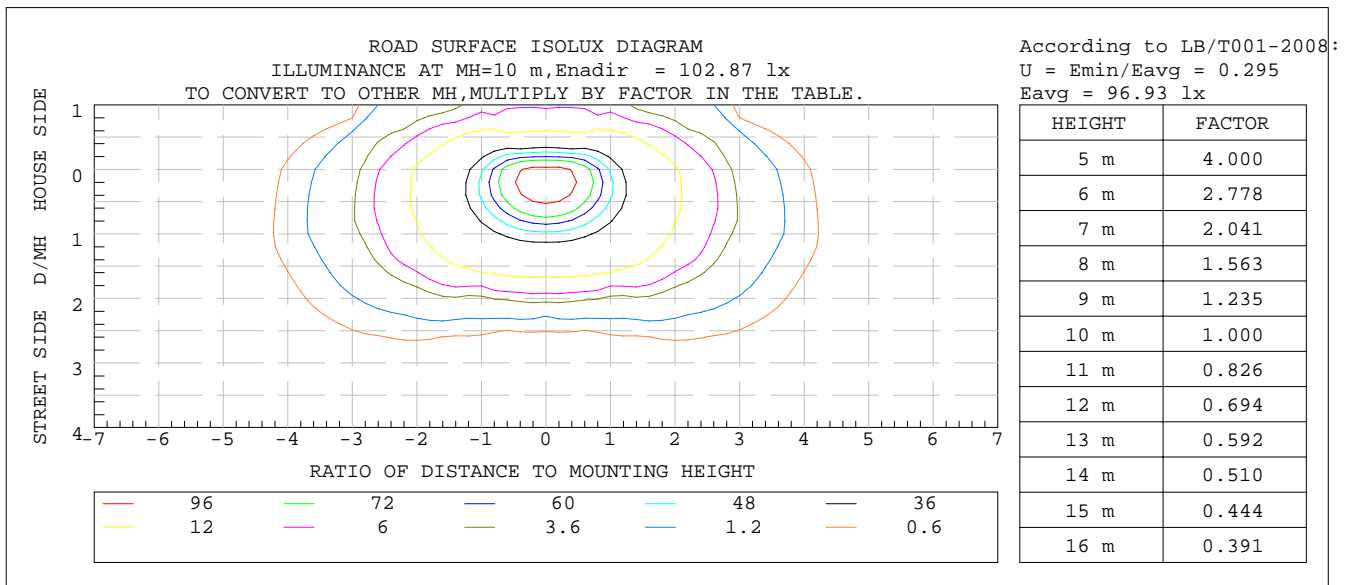
## Classification:

IES:Type III - Medium  
 CIE:Average - Intermediate  
 IES:Full cut-off  
 CIE:Semi-cut-off  
 Max.At80:72.93cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:72.93cd/klm  
 NRB 5101:Limited[5.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	17663
90%	15896
80%	14130
70%	12364
60%	10598
50%	8831
40%	7065
30%	5299
20%	3533
10%	1766
5%	883

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-26

$\gamma$  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: 2019-07-26

$\gamma$  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:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WinM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

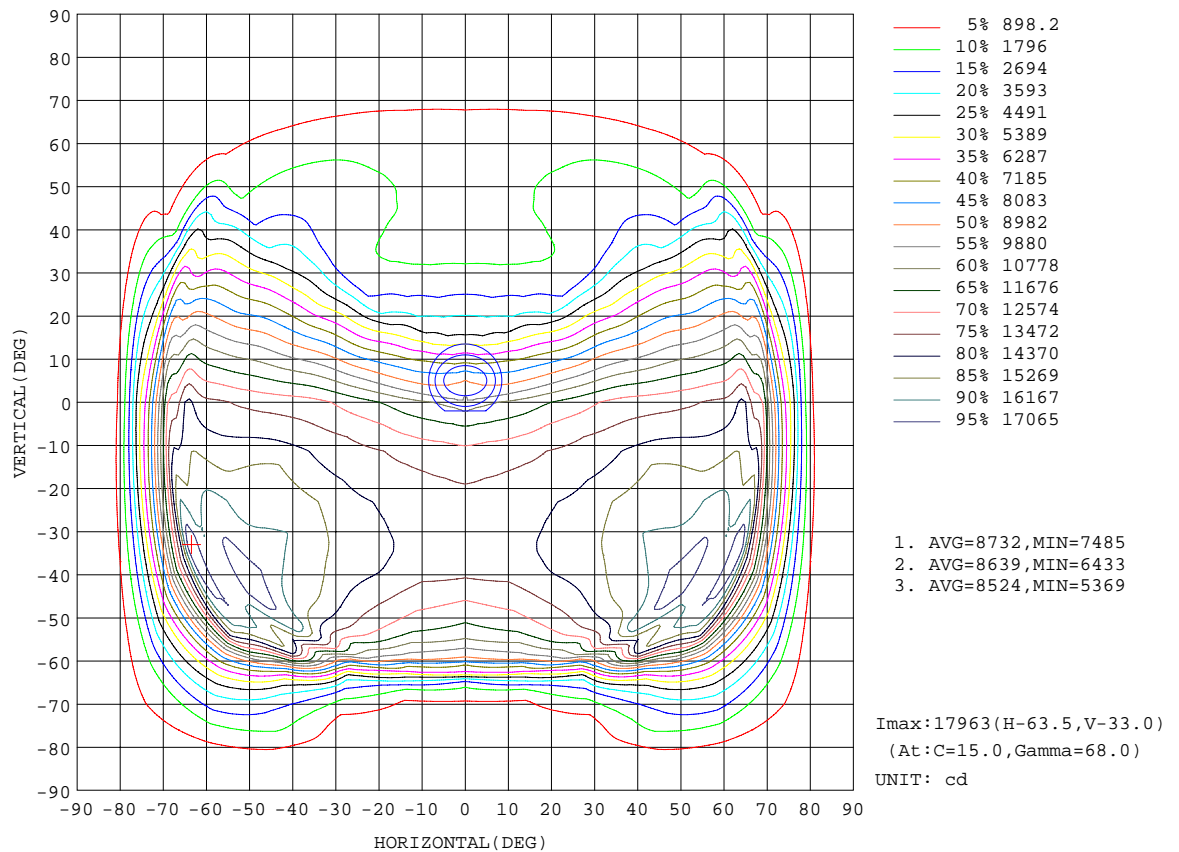
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	1067	1208	1253	1208	1067	812.1	677.7	812.1	0- 10	975.9	975.9	2.45,2.45
20	1142	1331	1354	1331	1142	571.5	360.2	571.5	10- 20	2801	3777	9.5,9.5
30	1220	1410	1400	1410	1220	317.1	196.8	317.1	20- 30	4454	8231	20.7,20.7
40	1271	1474	1353	1474	1271	215.8	154.3	215.8	30- 40	5947	14178	35.6,35.6
50	1295	1508	1186	1508	1295	226.2	146.1	226.2	40- 50	7313	21491	54.54
60	1337	1576	824.4	1576	1337	219.0	118.5	219.0	50- 60	8167	29658	74.6,74.6
70	1091	664.8	71.21	664.8	1091	96.54	79.64	96.54	60- 70	7114	36772	92.5,92.5
80	111.1	186.4	27.95	186.4	111.1	39.30	32.35	39.30	70- 80	2652	39423	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	349.3	39773	100,100
100	0	0	0	0	0	0	0	0	90-100	0	39773	100,100
110	0	0	0	0	0	0	0	0	100-110	0	39773	100,100
120	0	0	0	0	0	0	0	0	110-120	0	39773	100,100
130	0	0	0	0	0	0	0	0	120-130	0	39773	100,100
140	0	0	0	0	0	0	0	0	130-140	0	39773	100,100
150	0	0	0	0	0	0	0	0	140-150	0	39773	100,100
160	0	0	0	0	0	0	0	0	150-160	0	39773	100,100
170	0	0	0	0	0	0	0	0	160-170	0	39773	100,100
180	0	0	0	0	0	0	0	0	170-180	0	39773	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-07-26

$\gamma$  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:

## ISOCANDELA DIAGRAM

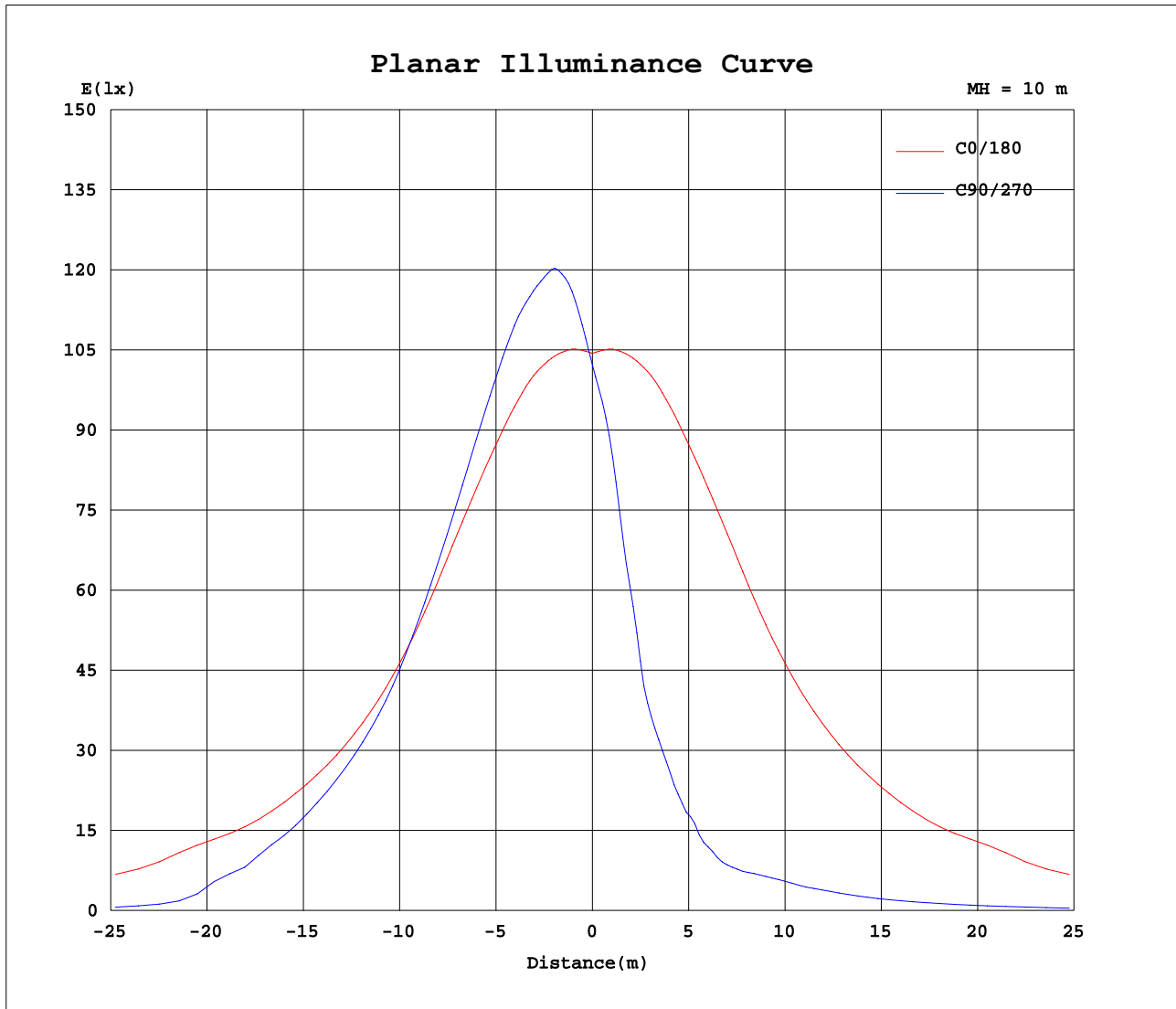
Test:U:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-07-26

$\gamma$  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:

## Planar Illuminance Curve



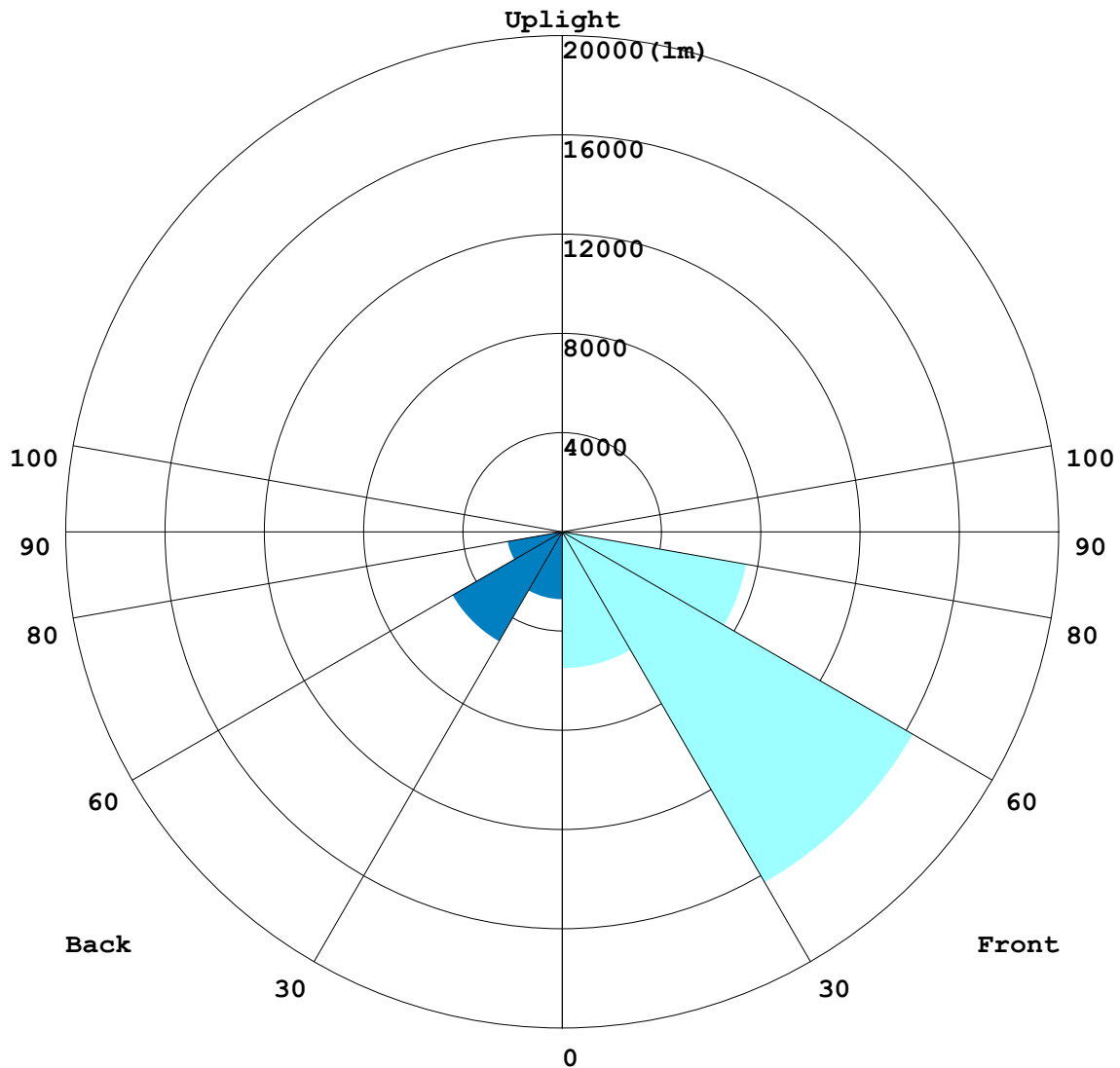
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-07-26

$\gamma$  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:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-26

$\gamma$  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:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	5507.7	13.8
FM - Front-Medium(30-60)	16329	41.1
FH - Front-High(60-80)	7535.8	18.9
FVH - Front-Very High(80-90)	263.92	0.7
Total Forward Light	29636	74.5

BL - Back-Low(0-30)	2723.3	6.8
BM - Back-Medium(30-60)	5098.4	12.8
BH - Back-High(60-80)	2229.5	5.6
BVH - Back-Very High(80-90)	85.35	0.2
Total Back Light	10137	25.5

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	B4-U0-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10137	0	10137
Street Side	29636	0	29636

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-07-26

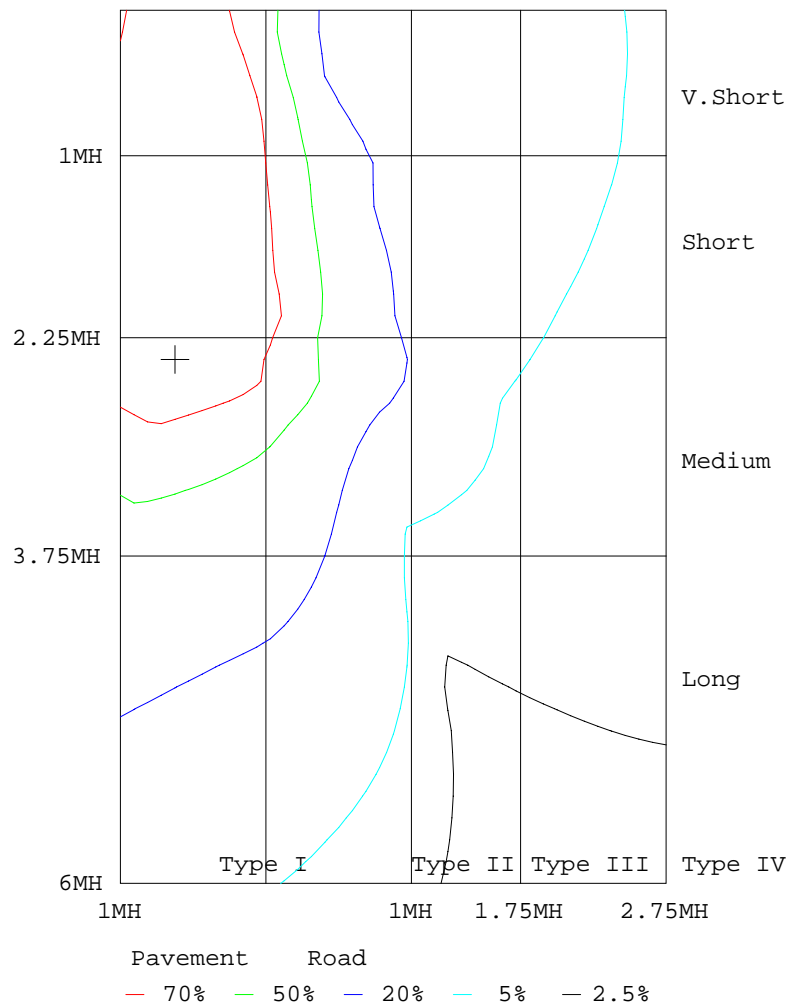
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi 460 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 410$ mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-26

$\gamma$  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:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

Table--1

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

C (DEG) $\gamma$ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
5	1040	1069	1096	1119	1137	1149	1151	1149	1137	1119	1096	1069	1040	999	964	932	910	897	898
10	1067	1122	1168	1208	1234	1252	1253	1252	1234	1208	1168	1122	1067	974	885	812	744	690	678
15	1103	1175	1234	1282	1297	1309	1304	1309	1297	1282	1234	1175	1103	963	824	689	559	484	466
20	1142	1238	1302	1331	1346	1360	1354	1360	1346	1331	1302	1238	1142	962	764	572	411	368	360
25	1180	1293	1350	1375	1384	1392	1387	1392	1384	1375	1350	1293	1180	961	689	448	318	272	269
30	1220	1334	1385	1410	1402	1402	1400	1402	1402	1410	1385	1334	1220	964	637	317	248	206	197
35	1255	1380	1432	1445	1418	1399	1391	1399	1418	1445	1432	1380	1255	964	607	257	191	160	155
40	1271	1437	1495	1474	1427	1370	1353	1370	1427	1474	1495	1437	1271	941	546	216	173	161	154
45	1281	1497	1550	1495	1411	1309	1274	1309	1411	1495	1550	1497	1281	923	517	211	187	171	155
50	1295	1537	1591	1508	1361	1243	1186	1243	1361	1508	1591	1537	1295	901	463	226	208	164	146
55	1319	1553	1619	1527	1315	1138	1068	1138	1315	1527	1619	1553	1319	840	372	235	201	159	132
60	1337	1623	1730	1576	1120	941	824	941	1120	1576	1730	1623	1337	797	277	219	179	139	118
65	1405	1583	1594	1467	639	397	241	397	639	1467	1594	1583	1405	657	186	158	135	115	102
70	1091	1443	1431	665	233	82.8	71.2	82.8	233	665	1431	1443	1091	492	112	96.5	86.9	81.8	79.6
75	556	759	609	305	81.6	43.5	44.8	43.5	81.6	305	609	759	556	85.0	74.0	64.6	57.1	54.5	53.7
80	111	290	283	186	36.3	27.5	27.9	27.5	36.3	186	283	290	111	35.6	48.1	39.3	35.0	33.5	32.4
85	13.1	75.6	65.5	48.7	12.6	11.3	11.5	11.3	12.6	48.7	65.5	75.6	13.1	14.3	16.1	13.2	12.2	13.0	14.0
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: 2019-07-26

$\gamma$  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:219.1V I:1.445A P:312.8W PF:0.9880 Freq:49.99Hz Lamp Flux:39772.7x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-6070-T3M-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

Table--2

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

C (DEG) $\gamma$ (DEG)	285	300	315	330	345														
0	1020	1020	1020	1020	1020														
5	897	910	932	964	999														
10	690	744	812	885	974														
15	484	559	689	824	963														
20	368	411	572	764	962														
25	272	318	448	689	961														
30	206	248	317	637	964														
35	160	191	257	607	964														
40	161	173	216	546	941														
45	171	187	211	517	923														
50	164	208	226	463	901														
55	159	201	235	372	840														
60	139	179	219	277	797														
65	115	135	158	186	657														
70	81.8	86.9	96.5	112	492														
75	54.5	57.1	64.6	74.0	85.0														
80	33.5	35.0	39.3	48.1	35.6														
85	13.0	12.2	13.2	16.1	14.3														
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:2019-07-26

$\gamma$  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: