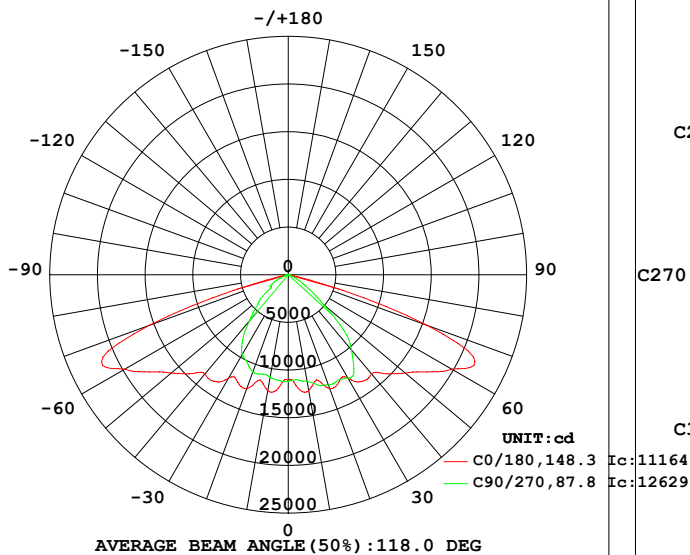
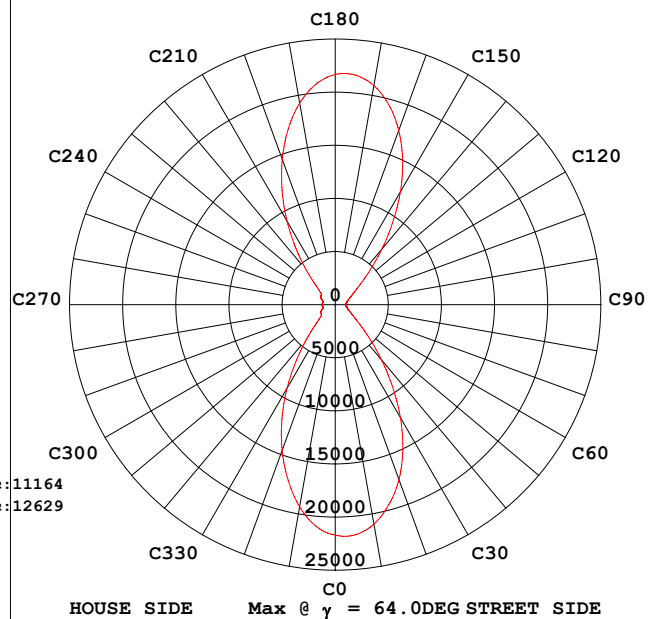


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 139.91 lm/W			
MODEL	Y2	I <sub>max</sub> (cd)	21673	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	315	LOR (%)	100.0	$\eta$ street_down (%)	54.0
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	43596	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	43596.2	MAXIMUM @ (C, $\gamma$ )	180,64.0	$\eta$ house_down (%)	46.0
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	19.756

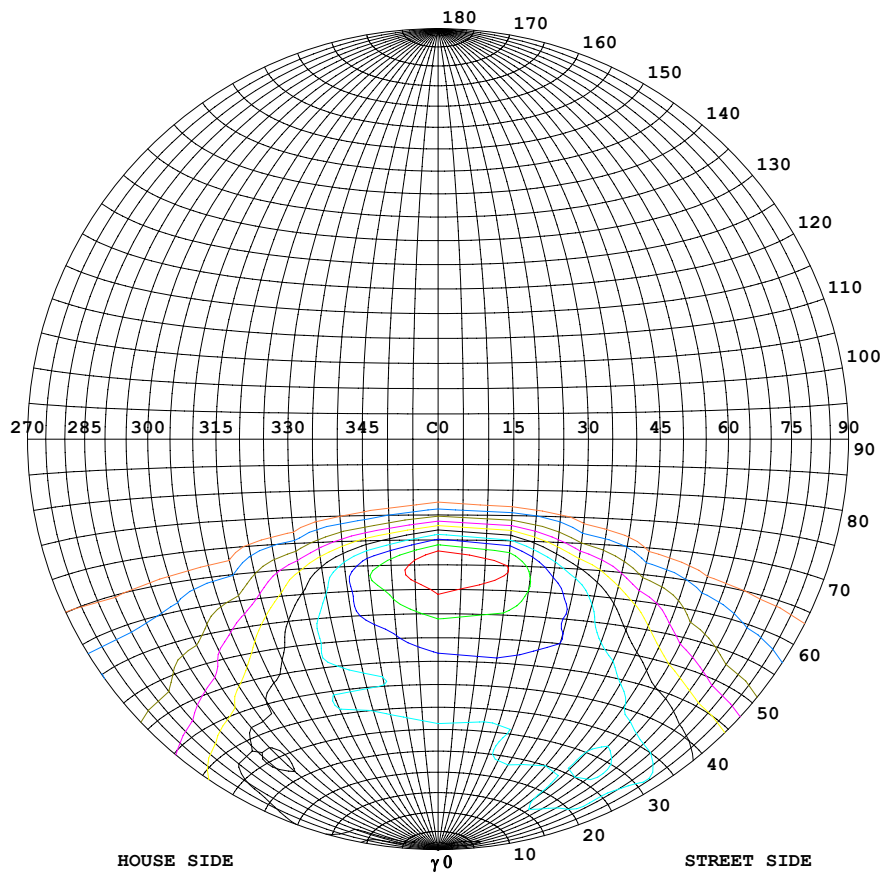
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-01-07

$\gamma$  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:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:



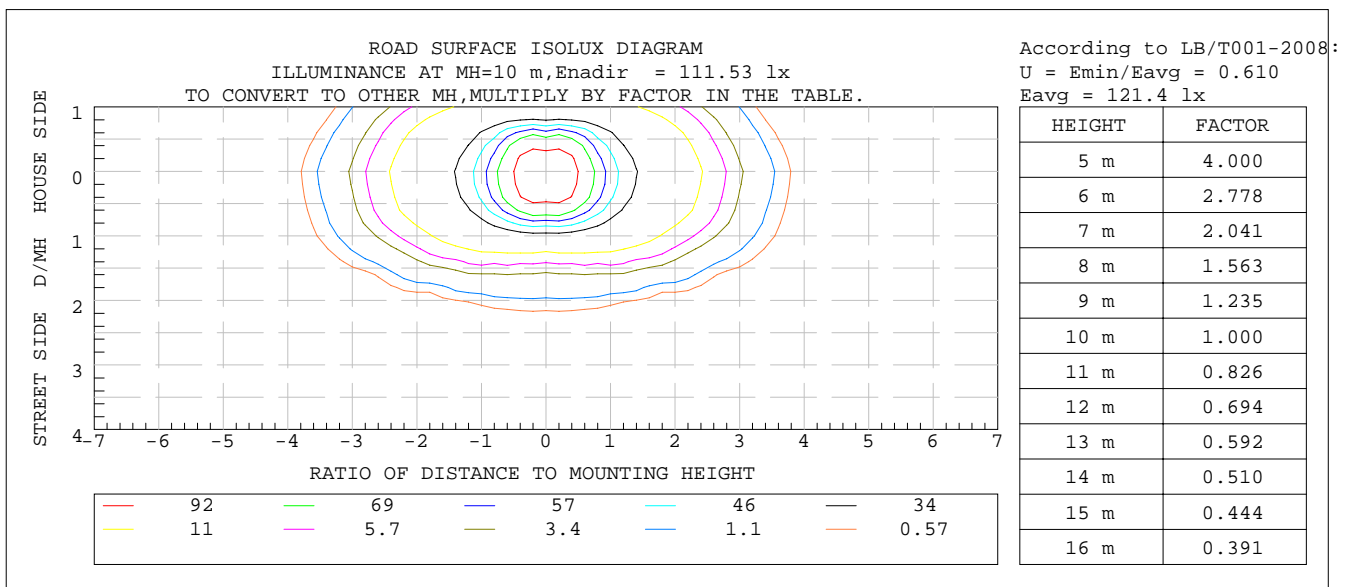
## Classification:

IES:Type II - Short  
 CIE:Narrow - Intermediate  
 IES:Full cut-off  
 CIE:Full cut-off  
 Max.At80:9.007cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:9.007cd/klm  
 NRB 5101:Limited[5.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	21673
90%	19506
80%	17338
70%	15171
60%	13004
50%	10837
40%	8669
30%	6502
20%	4335
10%	2167
5%	1084

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-01-07

$\gamma$  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: 2020-01-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  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:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WinM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:

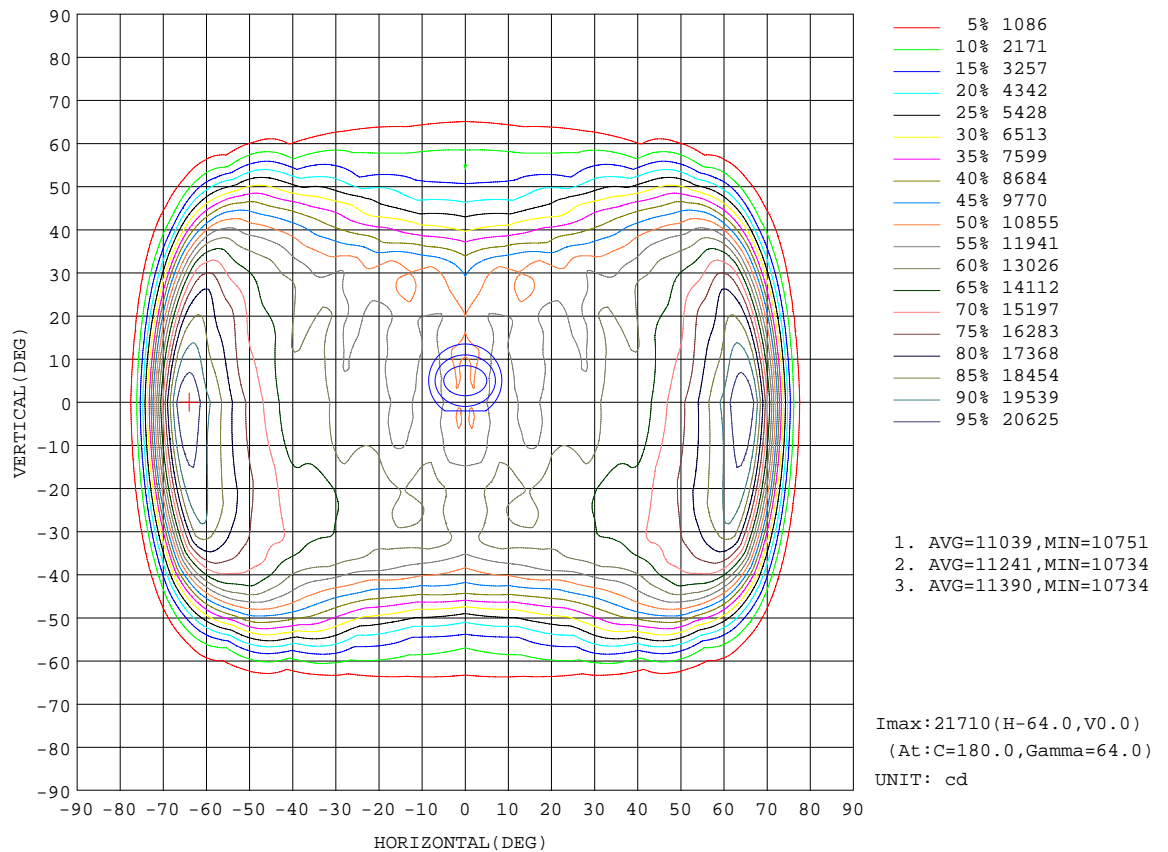
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	1235	1230	1133	1230	1235	1229	1090	1229	0- 10	1103	1103	2.53,2.53
20	1271	1232	1228	1232	1271	1103	1085	1103	10- 20	3379	4482	10.3,10.3
30	1250	1380	1251	1380	1250	1228	966.7	1228	20- 30	5710	10192	23.4,23.4
40	1360	1373	1033	1373	1360	1184	635.8	1184	30- 40	7715	17907	41.1,41.1
50	1604	1236	484.6	1236	1604	914.0	352.5	914.0	40- 50	8618	26525	60.8,60.8
60	1982	813.4	164.4	813.4	1982	488.0	194.4	488.0	50- 60	8586	35111	80.5,80.5
70	1544	84.45	31.59	84.45	1544	52.77	37.55	52.77	60- 70	6944	42055	96.5,96.5
80	39.27	17.73	16.60	17.73	39.27	15.58	18.50	15.58	70- 80	1430	43485	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	110.7	43596	100,100
100	0	0	0	0	0	0	0	0	90-100	0	43596	100,100
110	0	0	0	0	0	0	0	0	100-110	0	43596	100,100
120	0	0	0	0	0	0	0	0	110-120	0	43596	100,100
130	0	0	0	0	0	0	0	0	120-130	0	43596	100,100
140	0	0	0	0	0	0	0	0	130-140	0	43596	100,100
150	0	0	0	0	0	0	0	0	140-150	0	43596	100,100
160	0	0	0	0	0	0	0	0	150-160	0	43596	100,100
170	0	0	0	0	0	0	0	0	160-170	0	43596	100,100
180	0	0	0	0	0	0	0	0	170-180	0	43596	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:2020-01-07

$\gamma$  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

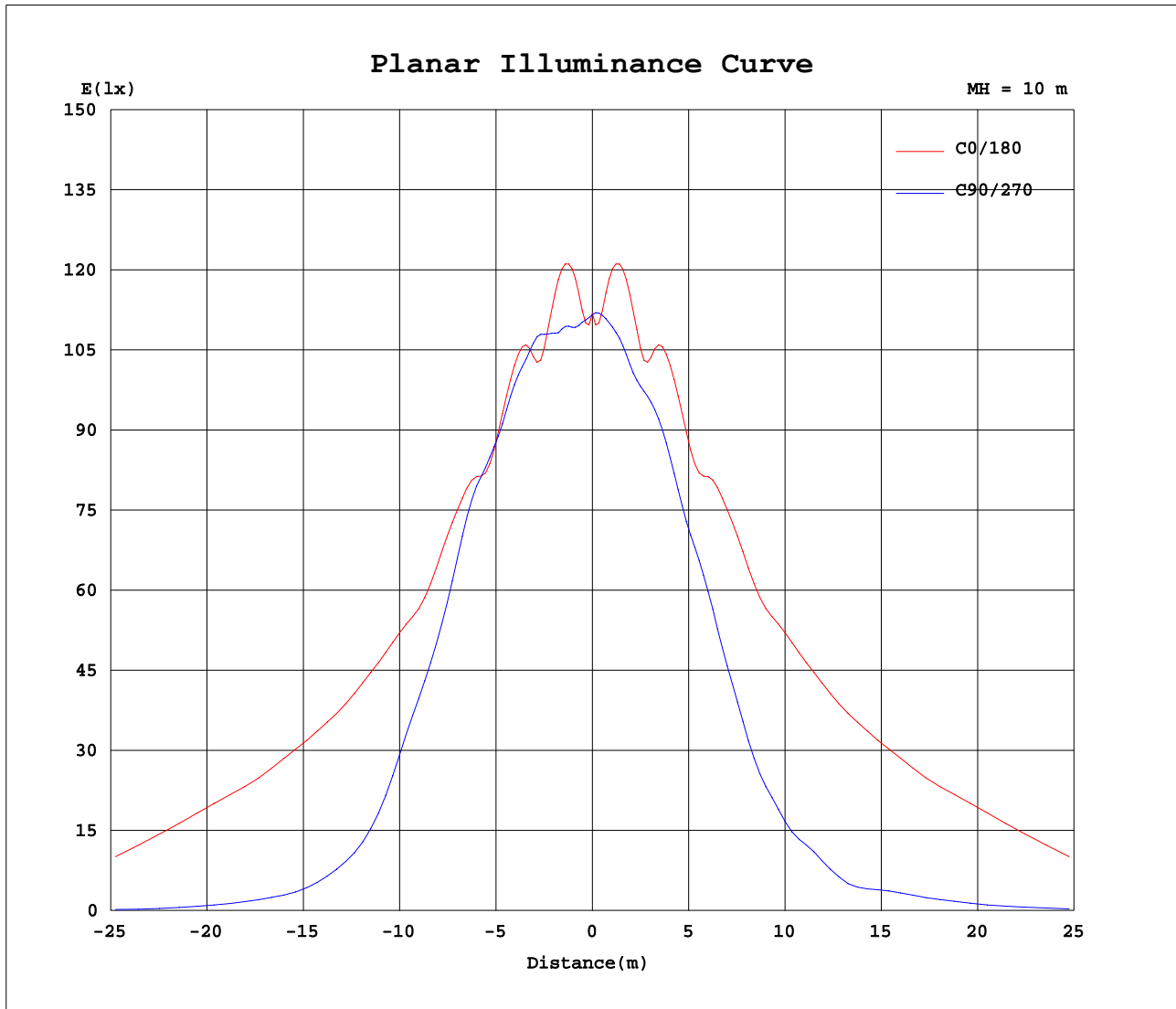
Test:U:219.1V I:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 460*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 410mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-01-07

$\gamma$  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



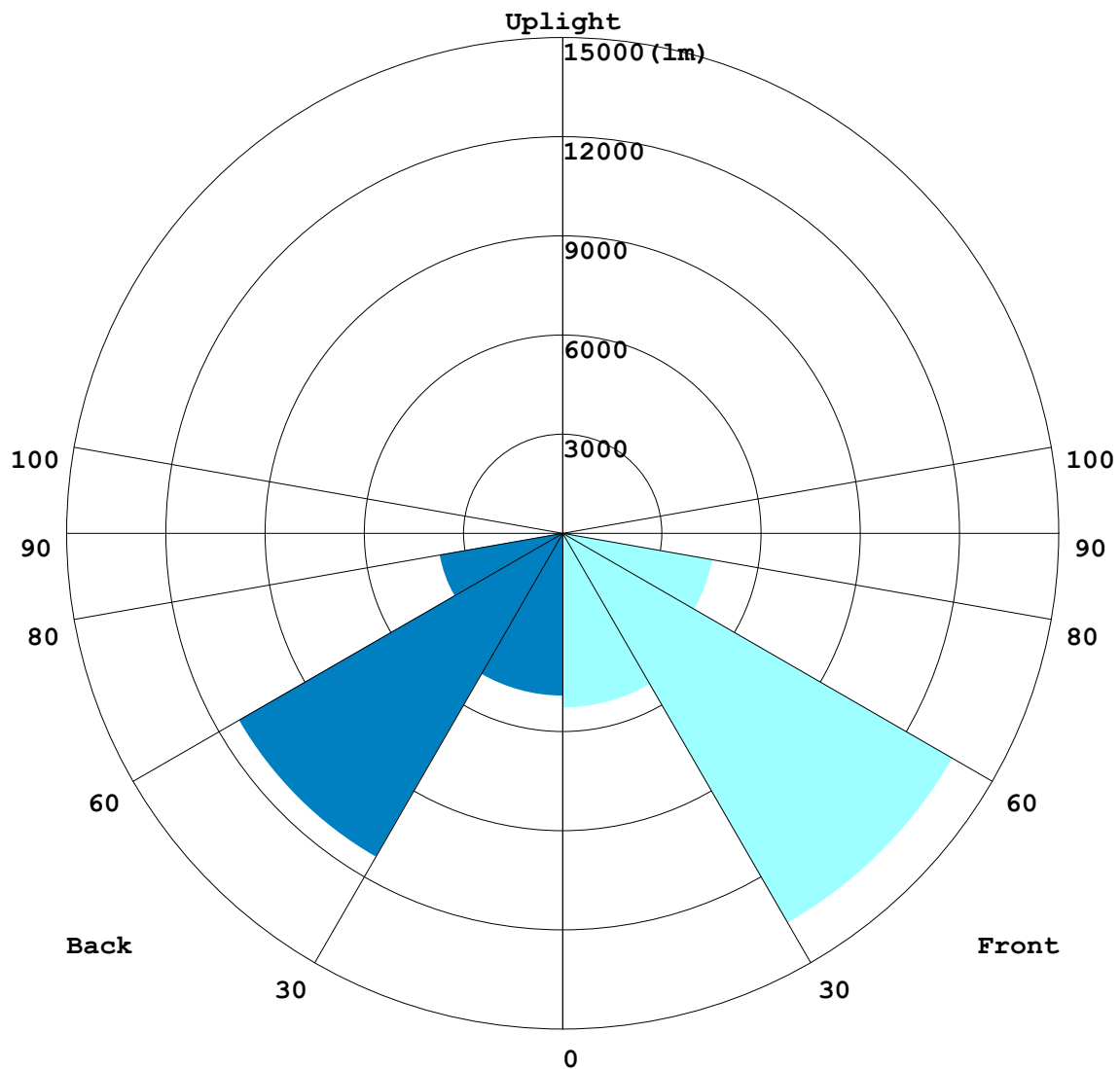
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-01-07

$\gamma$  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:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-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:2020-01-07

$\gamma$  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:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-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)	5273.8	12.1
FM - Front-Medium(30-60)	13617	31.2
FH - Front-High(60-80)	4596	10.5
FVH - Front-Very High(80-90)	59.424	0.1
Total Forward Light	23546	54.0

BL - Back-Low(0-30)	4918.5	11.3
BM - Back-Medium(30-60)	11302	25.9
BH - Back-High(60-80)	3778.5	8.7
BVH - Back-Very High(80-90)	51.289	0.1
Total Back Light	20050	46.0

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-G4
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	20050	0	20050
Street Side	23546	0	23546

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-01-07

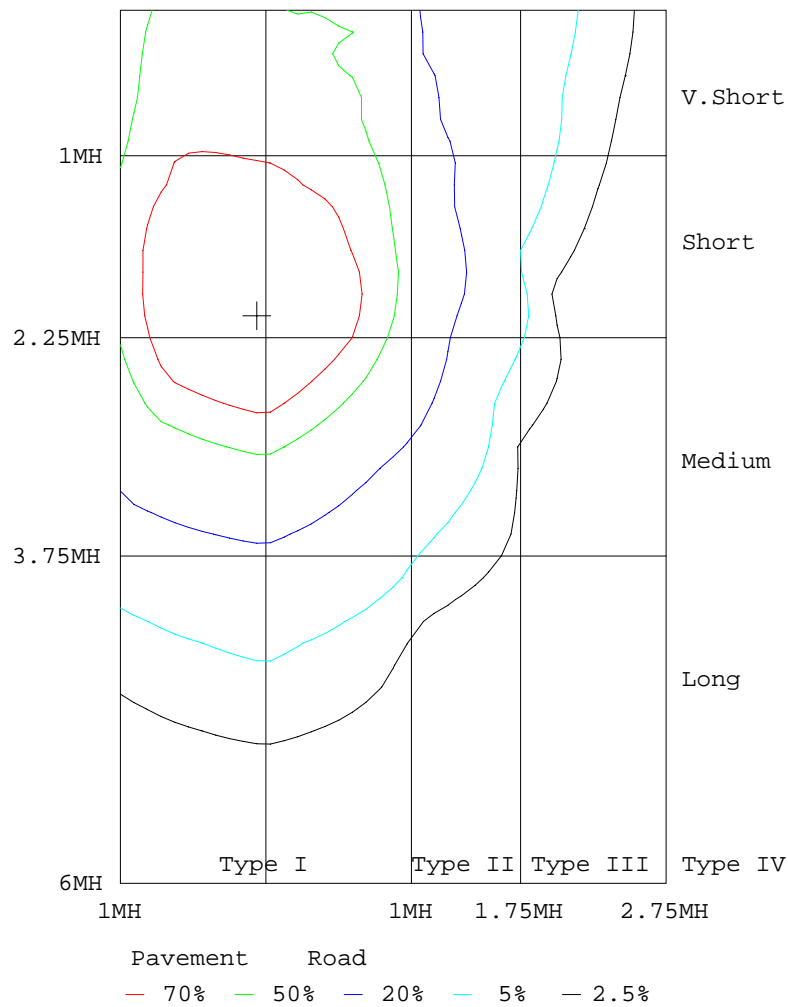
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.801m [K=1.0000]  
Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.1V I:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WinM-NV-Y2-00-5770-T2-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:2020-01-07

$\gamma$  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:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-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	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
5	1195	1176	1163	1122	1095	1077	1105	1077	1095	1122	1163	1176	1195	1181	1150	1124	1086	1081	1113
10	1235	1229	1233	1230	1194	1113	1133	1113	1194	1230	1233	1229	1235	1237	1236	1229	1170	1072	1090
15	1142	1137	1201	1244	1289	1207	1198	1207	1289	1244	1201	1137	1142	1128	1147	1195	1221	1124	1080
20	1271	1234	1207	1232	1343	1302	1228	1302	1343	1232	1207	1234	1271	1227	1160	1103	1214	1193	1085
25	1248	1268	1335	1300	1304	1321	1225	1321	1304	1300	1335	1268	1248	1240	1254	1200	1114	1164	1018
30	1250	1253	1330	1380	1259	1350	1251	1350	1259	1380	1330	1253	1250	1206	1175	1228	1049	1131	967
35	1363	1359	1375	1357	1334	1301	1201	1301	1334	1357	1375	1359	1363	1328	1268	1116	1116	968	833
40	1360	1393	1463	1373	1271	1132	1033	1132	1271	1373	1463	1393	1360	1309	1287	1184	905	739	636
45	1469	1477	1462	1365	1102	900	826	900	1102	1365	1462	1477	1469	1390	1272	1043	750	525	472
50	1604	1595	1518	1236	859	592	485	592	859	1236	1518	1595	1604	1469	1284	914	574	376	353
55	1778	1712	1506	1055	588	340	280	340	588	1055	1506	1712	1778	1592	1253	763	364	284	216
60	1982	1859	1461	813	340	202	164	202	340	813	1461	1859	1982	1677	1105	488	242	181	194
65	2160	1938	1135	384	142	93.1	77.3	93.1	142	384	1135	1938	2160	1656	819	209	135	102	110
70	1544	1324	444	84.5	34.2	30.1	31.6	30.1	34.2	84.5	444	1324	1544	959	273	52.8	42.6	35.6	37.5
75	379	300	60.7	28.0	23.8	22.0	21.4	22.0	23.8	28.0	60.7	300	379	142	36.4	25.3	25.0	24.1	24.0
80	39.3	31.1	22.0	17.7	17.2	16.8	16.6	16.8	17.2	17.7	22.0	31.1	39.3	27.4	18.4	15.6	17.7	18.1	18.5
85	14.1	14.4	9.72	9.64	10.02	10.5	10.8	10.5	10.02	9.64	9.72	14.4	14.1	10.7	7.54	7.32	8.50	8.55	9.41
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: 2020-01-07

$\gamma$  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:1.437A P:311.6W PF:0.9897 Freq:49.99Hz Lamp Flux:43596.2x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:8.5KG
SPEC.:AOK-315WiNM-NV-Y2-00-5770-T2-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	1116	1116	1116	1116	1116														
5	1081	1086	1124	1150	1181														
10	1072	1170	1229	1236	1237														
15	1124	1221	1195	1147	1128														
20	1193	1214	1103	1160	1227														
25	1164	1114	1200	1254	1240														
30	1131	1049	1228	1175	1206														
35	968	1116	1116	1268	1328														
40	739	905	1184	1287	1309														
45	525	750	1043	1272	1390														
50	376	574	914	1284	1469														
55	284	364	763	1253	1592														
60	181	242	488	1105	1677														
65	102	135	209	819	1656														
70	35.6	42.6	52.8	273	959														
75	24.1	25.0	25.3	36.4	142														
80	18.1	17.7	15.6	18.4	27.4														
85	8.55	8.50	7.32	7.54	10.7														
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:2020-01-07

$\gamma$  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: