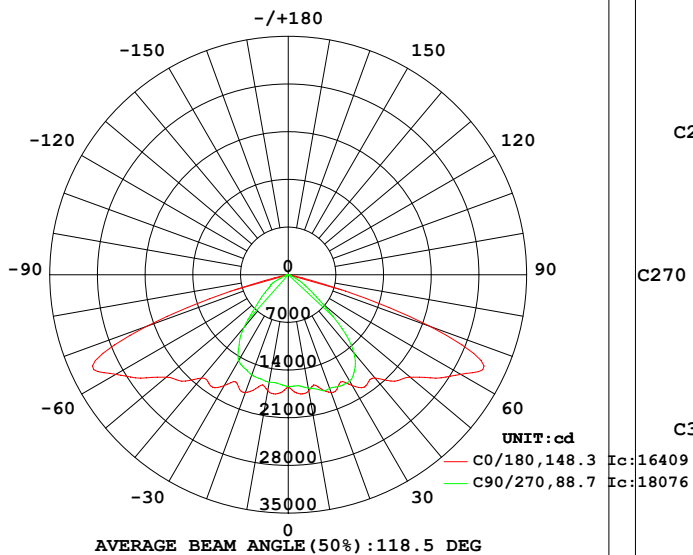
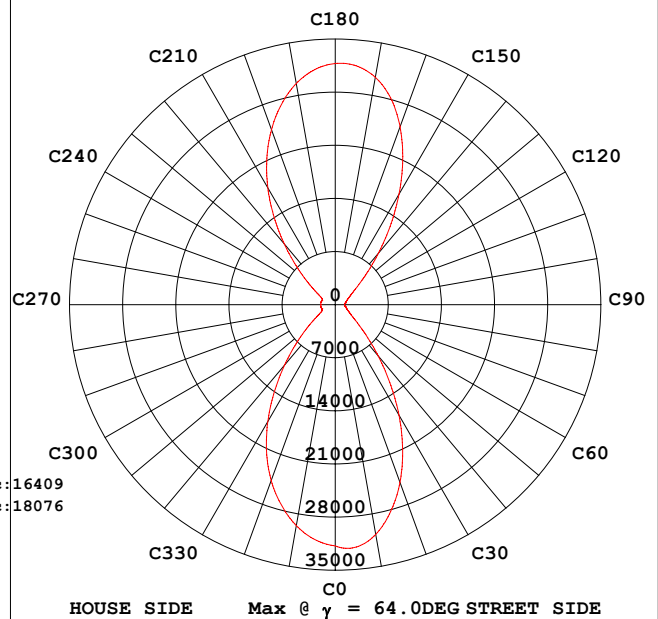


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 520mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 144.09 lm/W			
MODEL	Y2	I <sub>max</sub> (cd)	31777	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	460	LOR (%)	100.0	$\eta$ street_down (%)	51.9
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	65525	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	65524.9	MAXIMUM @ (C, $\gamma$ )	0,64.0	$\eta$ house_down (%)	48.1
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	20.263

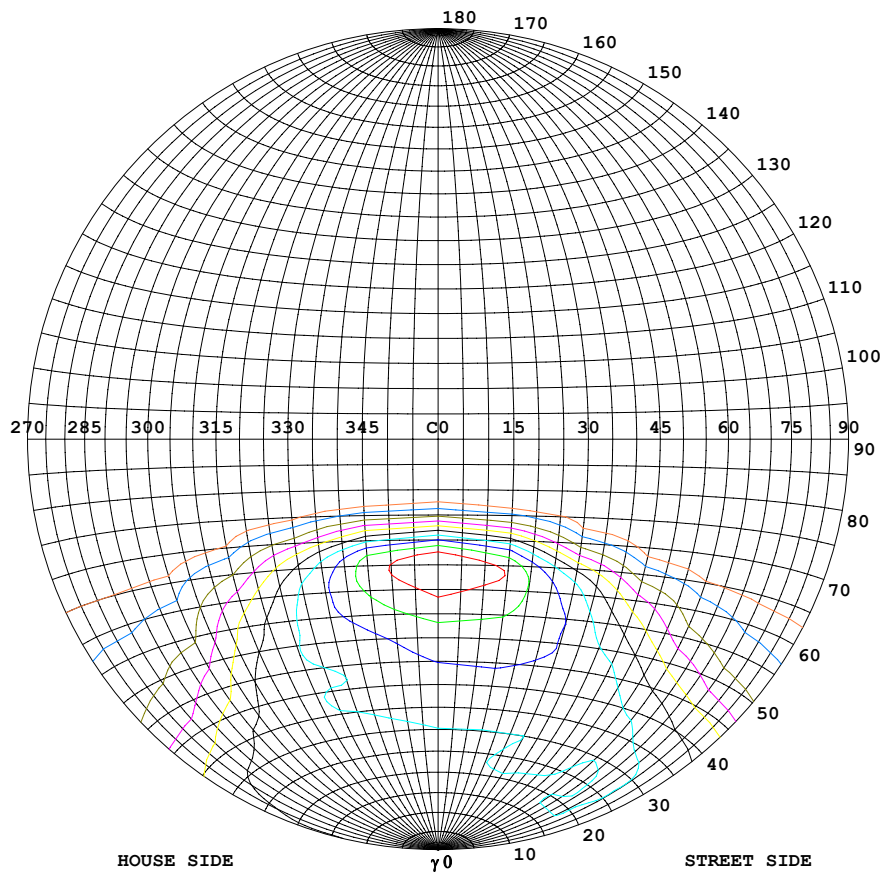
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 520mm	Shielding Angle:



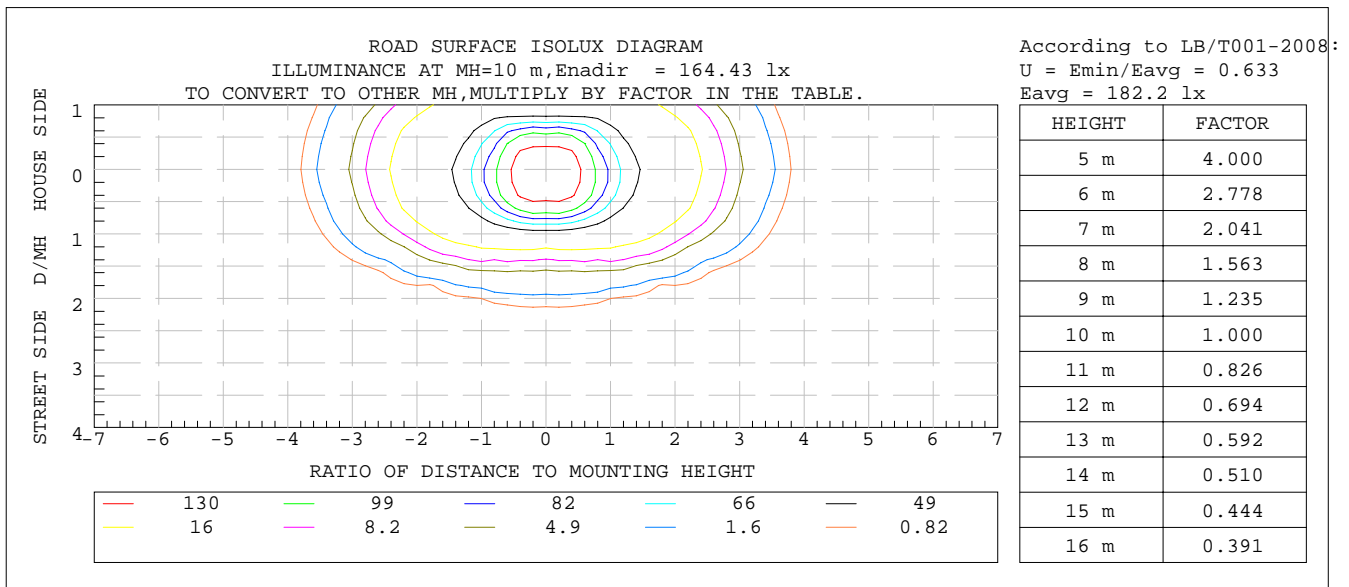
## Classification:

IES:Type II - Short  
 CIE:Narrow - Intermediate  
 IES:Full cut-off  
 CIE:Full cut-off  
 Max.At80:8.901cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:8.901cd/klm  
 NRB 5101:Limited[5.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
I <sub>max</sub> =100%	31777
90%	28600
80%	25422
70%	22244
60%	19067
50%	15889
40%	12711
30%	9533
20%	6355
10%	3178
5%	1589

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  
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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WinM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 520mm	Shielding Angle:

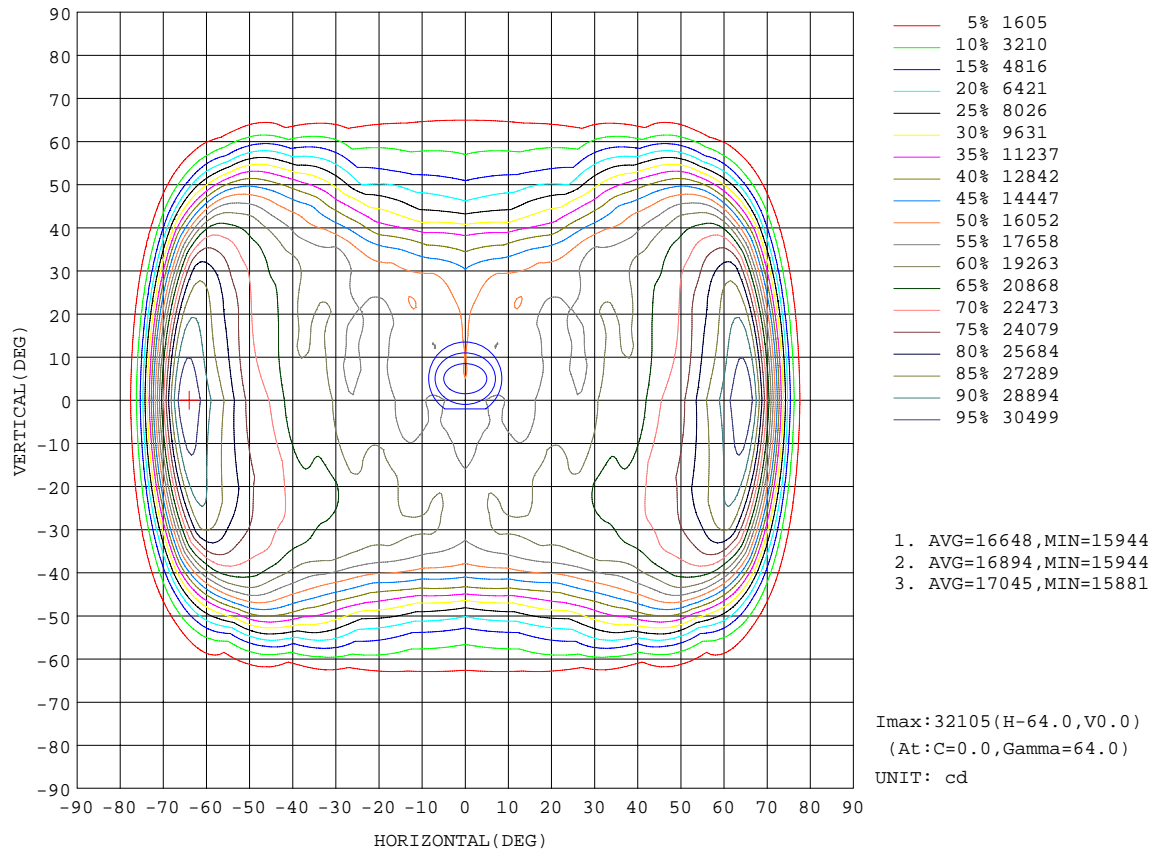
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	1731	1780	1690	1780	1731	1767	1601	1767	0- 10	1643	1643	2.51,2.51
20	1840	1803	1776	1803	1840	1658	1566	1658	10- 20	4972	6615	10.1,10.1
30	1877	2023	1801	2023	1877	1820	1456	1820	20- 30	8372	14987	22.9,22.9
40	1980	2021	1502	2021	1980	1798	1013	1798	30- 40	11389	26376	40.3,40.3
50	2340	1774	654.5	1774	2340	1595	510.1	1595	40- 50	12880	39256	59.9,59.9
60	2924	1074	232.3	1074	2924	1111	297.6	1111	50- 60	12997	52253	79.7,79.7
70	2204	87.69	40.89	87.69	2204	176.5	48.23	176.5	60- 70	10766	63020	96.2,96.2
80	58.32	23.73	22.97	23.73	58.32	28.79	27.94	28.79	70- 80	2313	65333	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	192.2	65525	100,100
100	0	0	0	0	0	0	0	0	90-100	0	65525	100,100
110	0	0	0	0	0	0	0	0	100-110	0	65525	100,100
120	0	0	0	0	0	0	0	0	110-120	0	65525	100,100
130	0	0	0	0	0	0	0	0	120-130	0	65525	100,100
140	0	0	0	0	0	0	0	0	130-140	0	65525	100,100
150	0	0	0	0	0	0	0	0	140-150	0	65525	100,100
160	0	0	0	0	0	0	0	0	150-160	0	65525	100,100
170	0	0	0	0	0	0	0	0	160-170	0	65525	100,100
180	0	0	0	0	0	0	0	0	170-180	0	65525	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

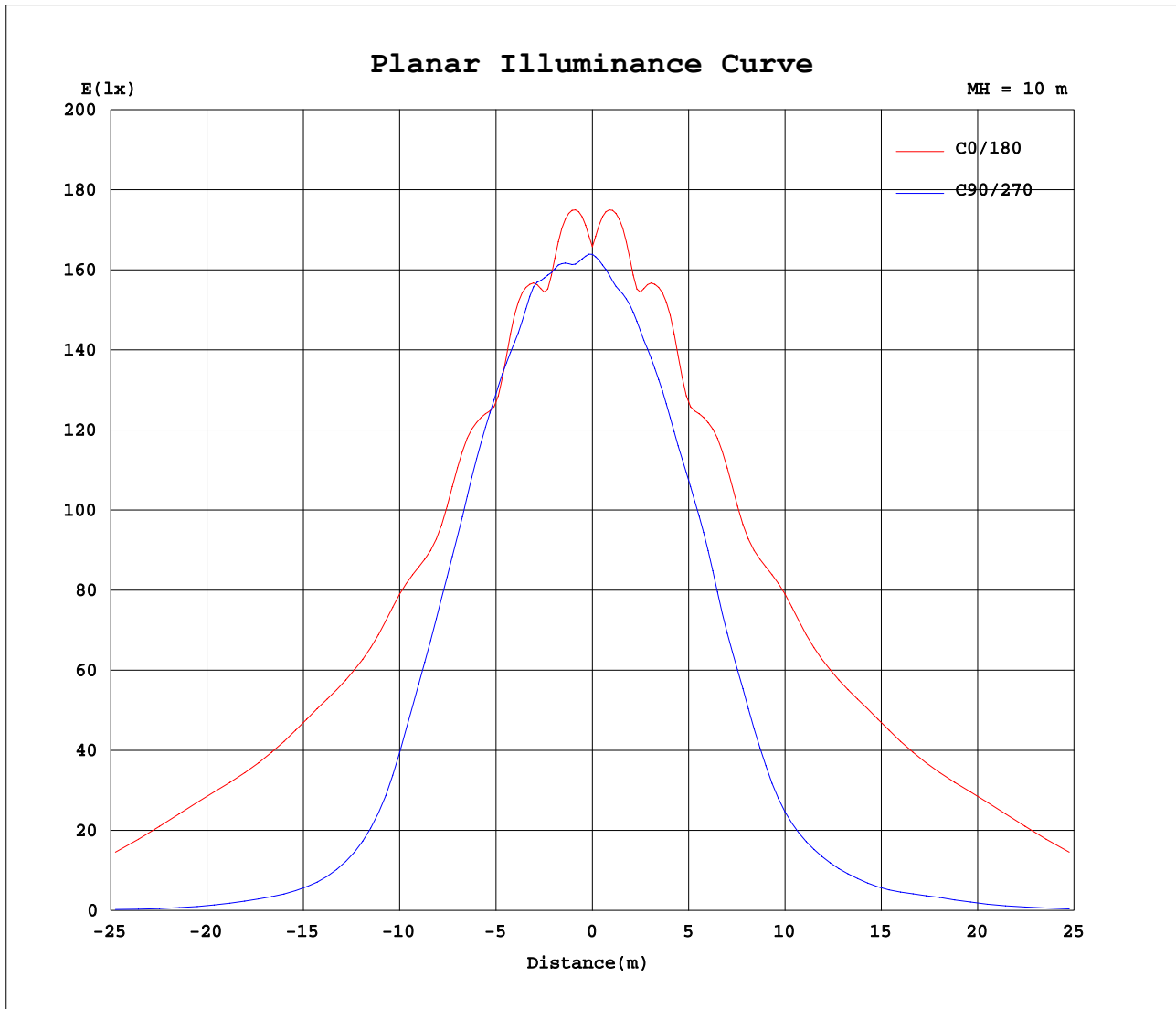
Test:U:219.1V I:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\Phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi$ 520mm	Shielding Angle:



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



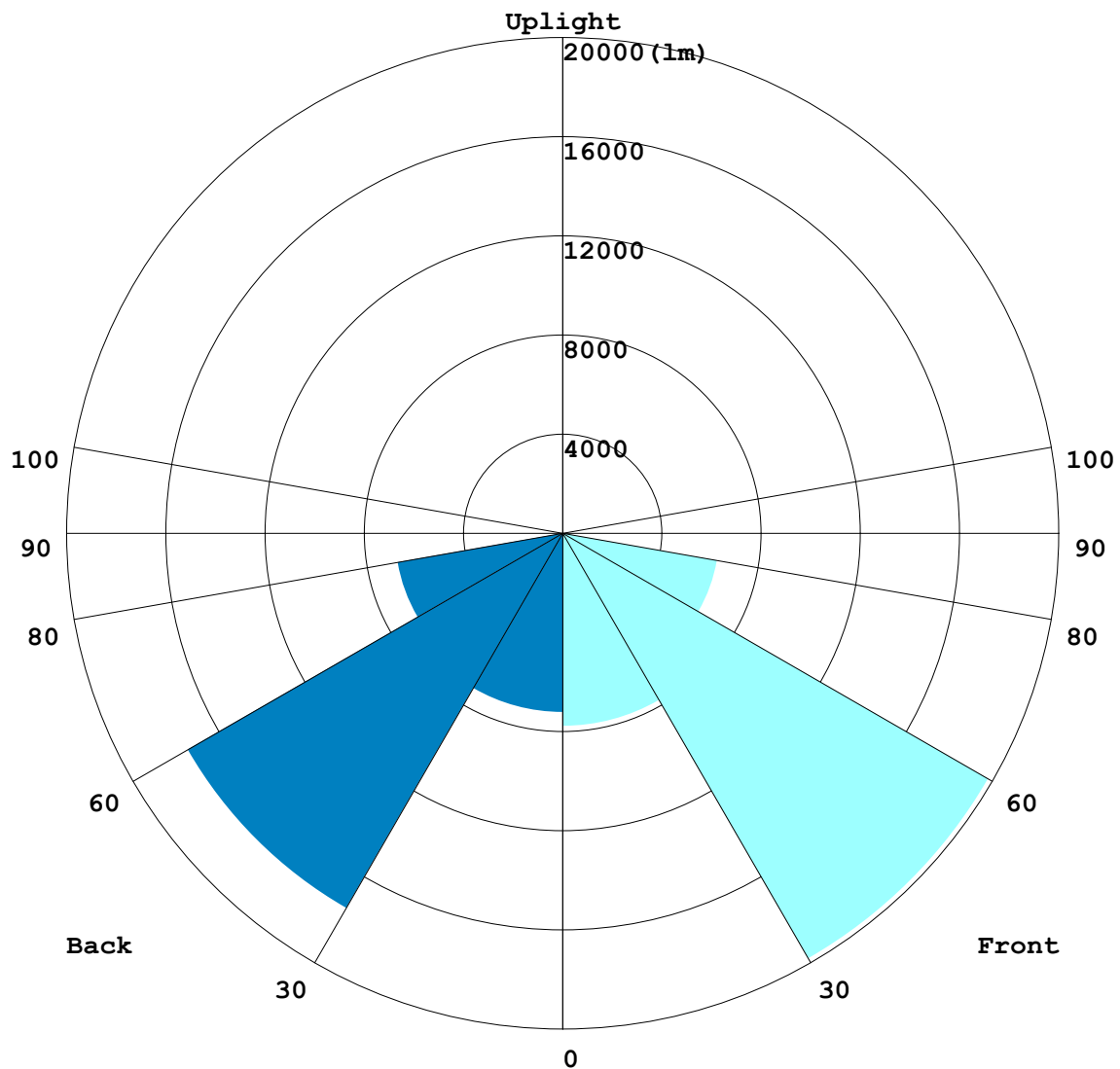
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2020-01-07

$\gamma$  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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 520mm	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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 520mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	7771.9	11.9
FM - Front-Medium(30-60)	19812	30.2
FH - Front-High(60-80)	6322.4	9.6
FVH - Front-Very High(80-90)	89.483	0.1
Total Forward Light	33996	51.9

BL - Back-Low(0-30)	7215.6	11.0
BM - Back-Medium(30-60)	17454	26.6
BH - Back-High(60-80)	6756.7	10.3
BVH - Back-Very High(80-90)	102.72	0.2
Total Back Light	31529	48.1

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-G?
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	31529	0	31529
Street Side	33996	0	33996

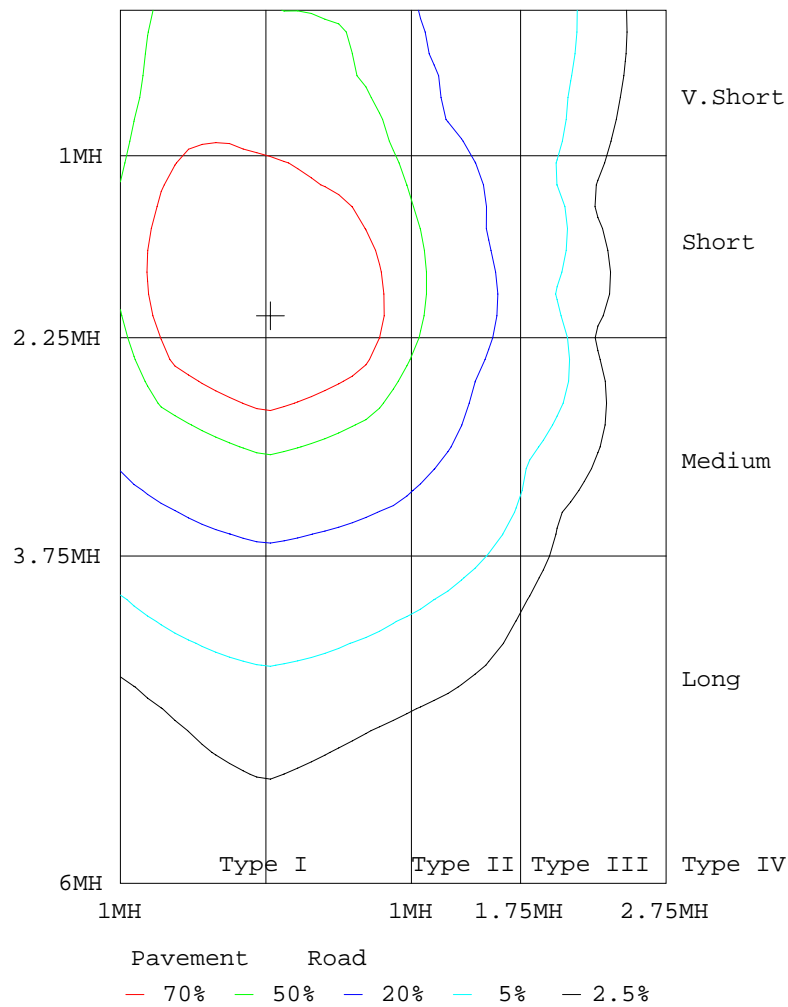
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-01-07

$\gamma$  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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WinM-NV-Y2-00-5770-T2-P	DIM.: $\Phi 550 \times 200$ mm	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 520$ 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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 520mm	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	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641
5	1752	1751	1742	1729	1704	1667	1635	1667	1704	1729	1742	1751	1752	1757	1750	1735	1680	1638	1608
10	1731	1742	1753	1780	1789	1756	1690	1756	1789	1780	1753	1742	1731	1759	1769	1767	1747	1693	1601
15	1706	1701	1709	1792	1854	1837	1748	1837	1854	1792	1709	1701	1706	1682	1648	1703	1774	1736	1582
20	1840	1843	1868	1803	1905	1918	1776	1918	1905	1803	1868	1843	1840	1819	1763	1658	1709	1761	1566
25	1770	1836	1948	1960	1848	1954	1803	1954	1848	1960	1948	1836	1770	1785	1846	1806	1596	1701	1516
30	1877	1882	1893	2023	1917	1953	1801	1953	1917	2023	1893	1882	1877	1809	1747	1820	1652	1620	1456
35	1990	2054	2073	1956	1960	1829	1701	1829	1960	1956	2073	2054	1990	1968	1900	1709	1624	1386	1261
40	1980	2049	2120	2021	1840	1597	1502	1597	1840	2021	2120	2049	1980	1935	1939	1798	1427	1117	1013
45	2212	2265	2133	1985	1549	1245	1117	1245	1549	1985	2133	2265	2212	2097	1921	1791	1151	814	698
50	2340	2368	2202	1774	1194	805	654	805	1194	1774	2202	2368	2340	2215	2050	1595	906	608	510
55	2646	2542	2205	1486	774	471	378	471	774	1486	2205	2542	2646	2416	2044	1438	586	420	366
60	2924	2728	2067	1074	457	273	232	273	457	1074	2067	2728	2924	2624	1993	1111	393	284	298
65	3170	2767	1507	462	172	114	97.5	114	172	462	1507	2767	3170	2728	1684	630	205	162	158
70	2204	1718	492	87.7	46.6	42.2	40.9	42.2	46.6	87.7	492	1718	2204	1855	840	177	57.4	49.9	48.2
75	550	362	86.1	37.4	33.2	30.6	28.5	30.6	33.2	37.4	86.1	362	550	423	125	45.2	37.0	34.9	33.9
80	58.3	41.6	31.2	23.7	23.7	23.8	23.0	23.8	23.7	31.2	41.6	58.3	46.1	37.0	28.8	27.3	28.1	27.9	
85	27.7	22.8	14.5	13.1	15.4	16.0	17.2	16.0	15.4	13.1	14.5	22.8	27.7	26.0	19.1	16.7	16.5	16.8	17.8
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: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:2.098A P:454.8W PF:0.9893 Freq:49.99Hz Lamp Flux:65524.9x1 lm		
NAME: AOK INM	TYPE:LED Stadium Light	WEIGHT:9.6KG
SPEC.:AOK-460WiNM-NV-Y2-00-5770-T2-P	DIM.: $\phi$ 550*200mm	SERIAL No.:
MFR.: AOK	SUR.: $\phi$ 520mm	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1641	1641	1641	1641	1641														
5	1638	1680	1735	1750	1757														
10	1693	1747	1767	1769	1759														
15	1736	1774	1703	1648	1682														
20	1761	1709	1658	1763	1819														
25	1701	1596	1806	1846	1785														
30	1620	1652	1820	1747	1809														
35	1386	1624	1709	1900	1968														
40	1117	1427	1798	1939	1935														
45	814	1151	1791	1921	2097														
50	608	906	1595	2050	2215														
55	420	586	1438	2044	2416														
60	284	393	1111	1993	2624														
65	162	205	630	1684	2728														
70	49.9	57.4	177	840	1855														
75	34.9	37.0	45.2	125	423														
80	28.1	27.3	28.8	37.0	46.1														
85	16.8	16.5	16.7	19.1	26.0														
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

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: