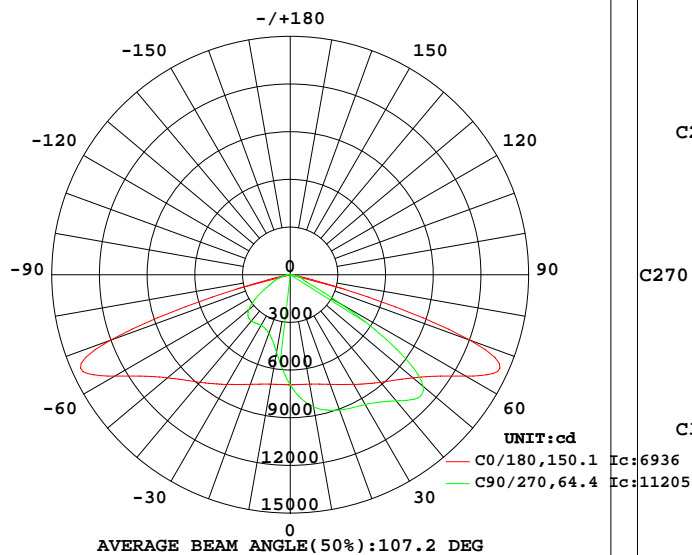
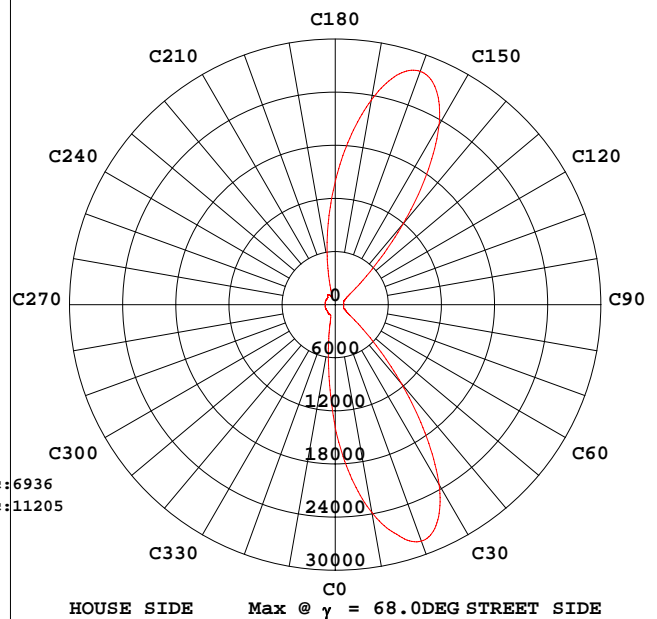


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 157.40 lm/W			
MODEL	2835	I _{max} (cd)	26835	η street_up(%)	0.0
NOMINAL POWER(W)	230	LOR(%)	100.0	η street_down(%)	71.7
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	34564	η house_up(%)	0.0
NOMINAL FLUX(lm)	34564	MAXIMUM @(C,γ)	15,68.0	η house_down(%)	28.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	

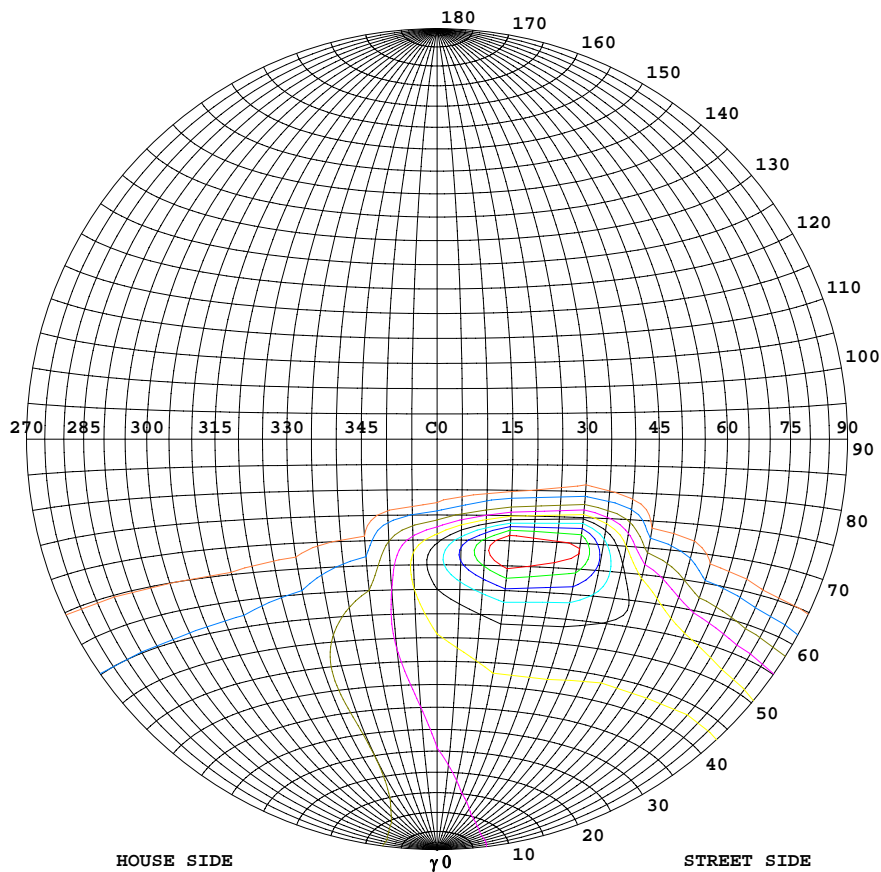
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:



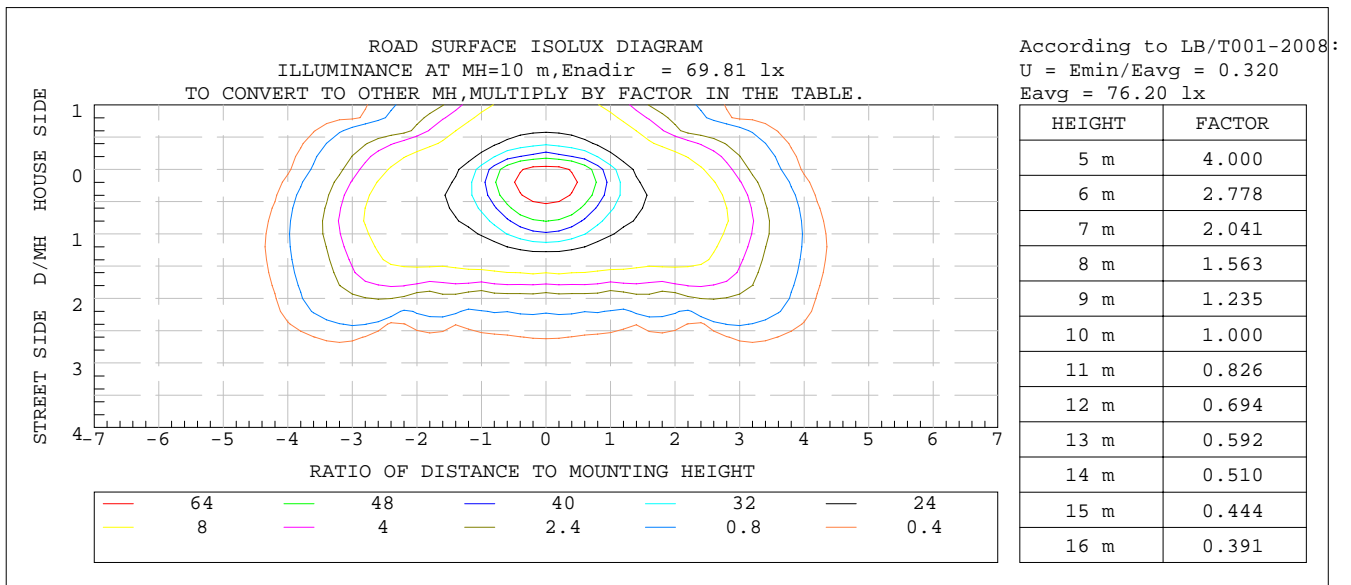
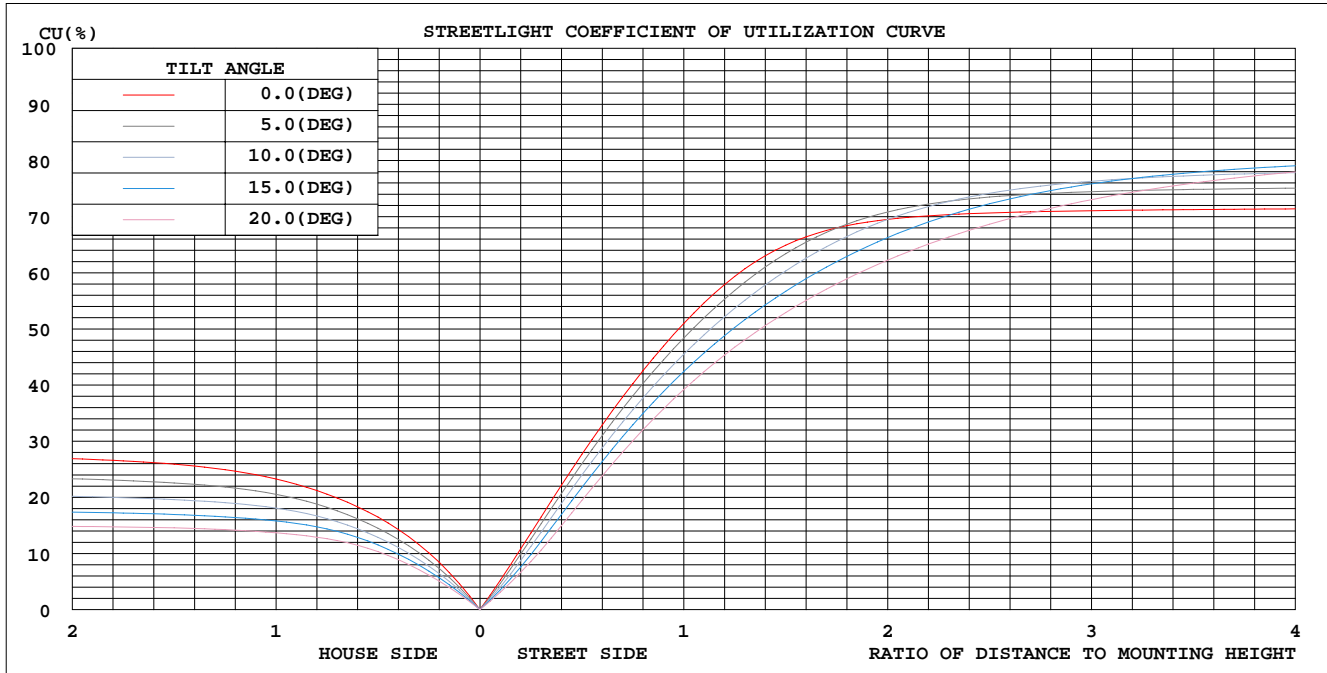
Classification:

IES:Type III - Medium
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:54.14cd/klm
Max.At90:0cd/klm
Max.80-90:54.14cd/klm
NRB 5101:Limited[3.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	26835
90%	24152
80%	21468
70%	18785
60%	16101
50%	13418
40%	10734
30%	8051
20%	5367
10%	2684
5%	1342

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [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: 2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

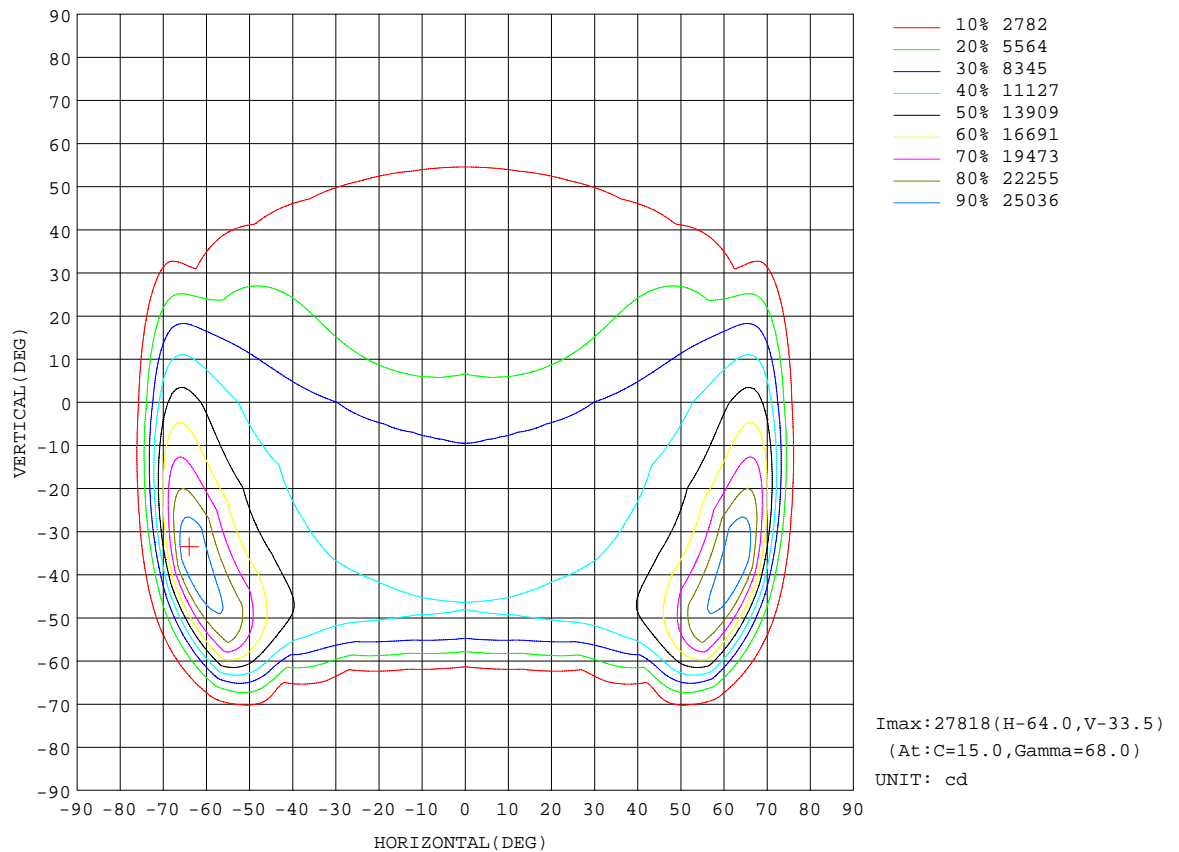
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	699.3	807.4	843.5	807.4	699.3	547.1	496.8	547.1	0- 10	655.1	655.1	1.9,1.9
20	734.1	884.4	905.6	884.4	734.1	458.3	392.7	458.3	10- 20	1931	2586	7.48,7.48
30	797.2	939.6	943.3	939.6	797.2	441.0	367.4	441.0	20- 30	3224	5810	16.8,16.8
40	883.4	1012	1036	1012	883.4	453.1	380.6	453.1	30- 40	4638	10447	30.2,30.2
50	1009	1169	1091	1169	1009	404.3	340.0	404.3	40- 50	6222	16669	48.2,48.2
60	1276	1276	369.2	1276	1276	218.2	191.4	218.2	50- 60	7252	23922	69.2,69.2
70	1202	421.3	85.96	421.3	1202	107.0	100.2	107.0	60- 70	7145	31067	89.9,89.9
80	48.60	48.37	34.33	48.37	48.60	43.64	43.37	43.64	70- 80	3219	34285	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	278.8	34564	100,100
100	0	0	0	0	0	0	0	0	90-100	0	34564	100,100
110	0	0	0	0	0	0	0	0	100-110	0	34564	100,100
120	0	0	0	0	0	0	0	0	110-120	0	34564	100,100
130	0	0	0	0	0	0	0	0	120-130	0	34564	100,100
140	0	0	0	0	0	0	0	0	130-140	0	34564	100,100
150	0	0	0	0	0	0	0	0	140-150	0	34564	100,100
160	0	0	0	0	0	0	0	0	150-160	0	34564	100,100
170	0	0	0	0	0	0	0	0	160-170	0	34564	100,100
180	0	0	0	0	0	0	0	0	170-180	0	34564	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:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

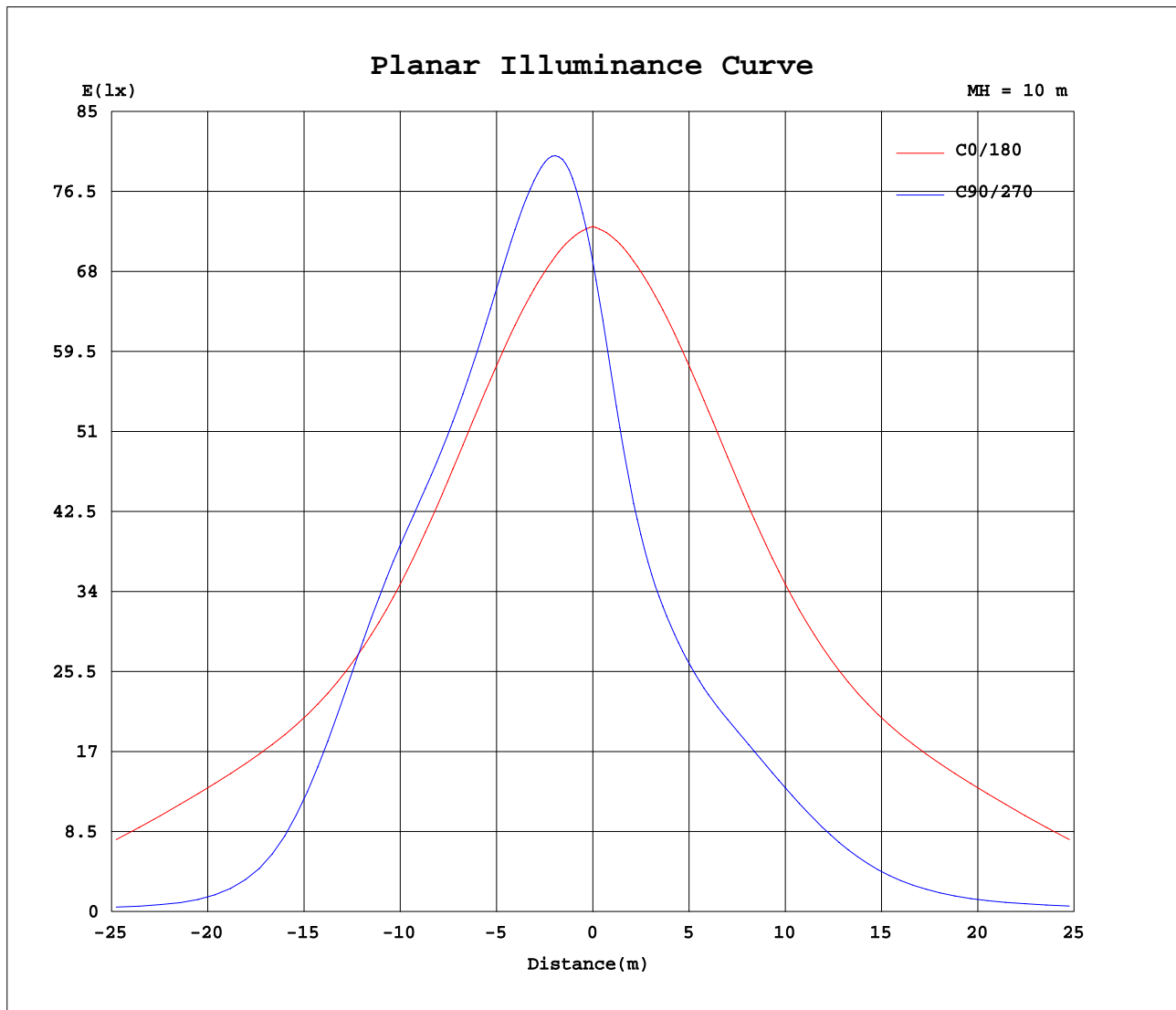
Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



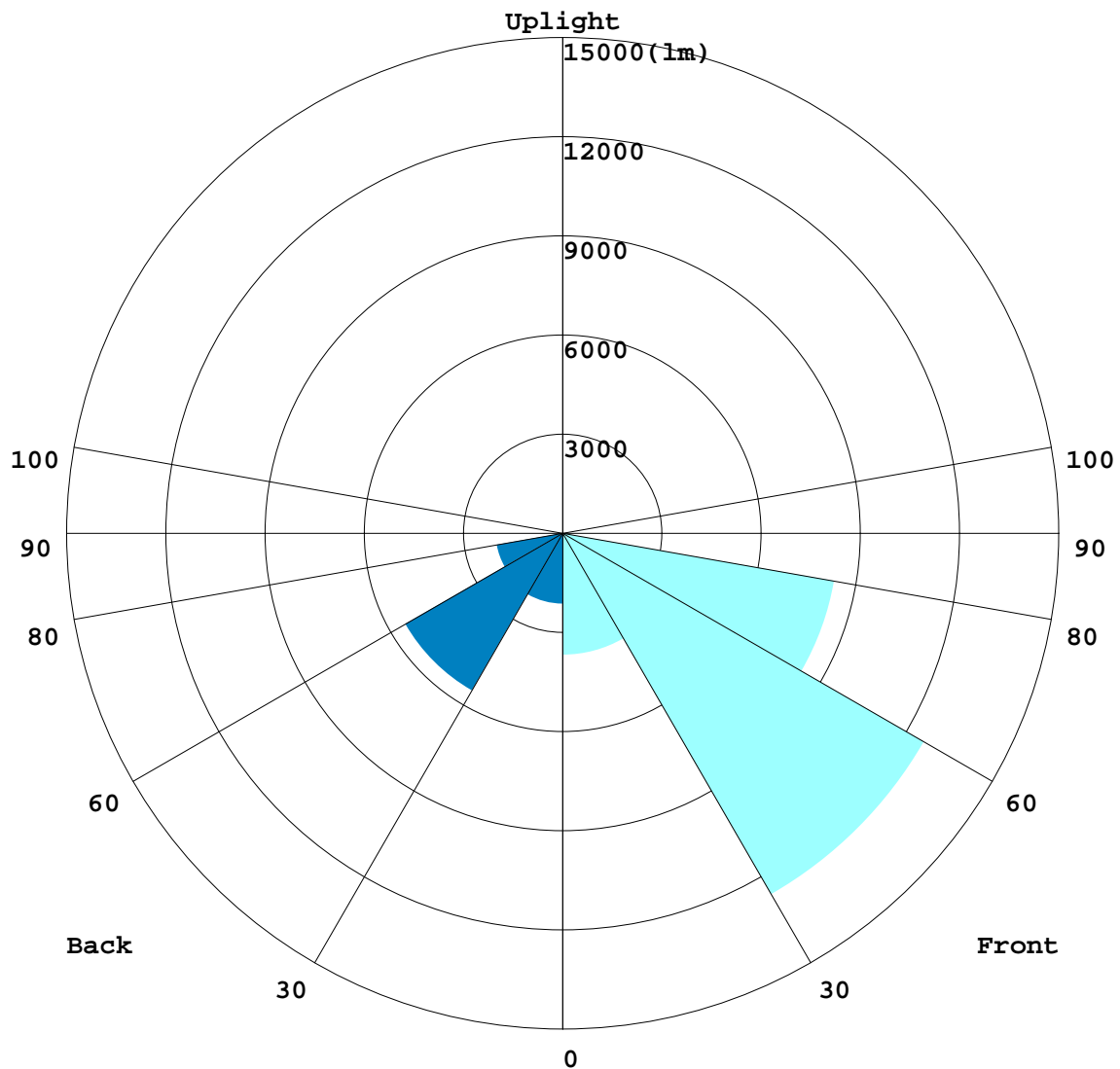
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3678.2	10.6
FM - Front-Medium(30-60)	12617	36.5
FH - Front-High(60-80)	8339.4	24.1
FVH - Front-Very High(80-90)	157.49	0.5
Total Forward Light	24793	71.7

BL - Back-Low(0-30)	2131.3	6.2
BM - Back-Medium(30-60)	5494.5	15.9
BH - Back-High(60-80)	2024.3	5.9
BVH - Back-Very High(80-90)	121.33	0.4
Total Back Light	9771.4	28.3

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	9771.4	0	9771.4
Street Side	24793	0	24793

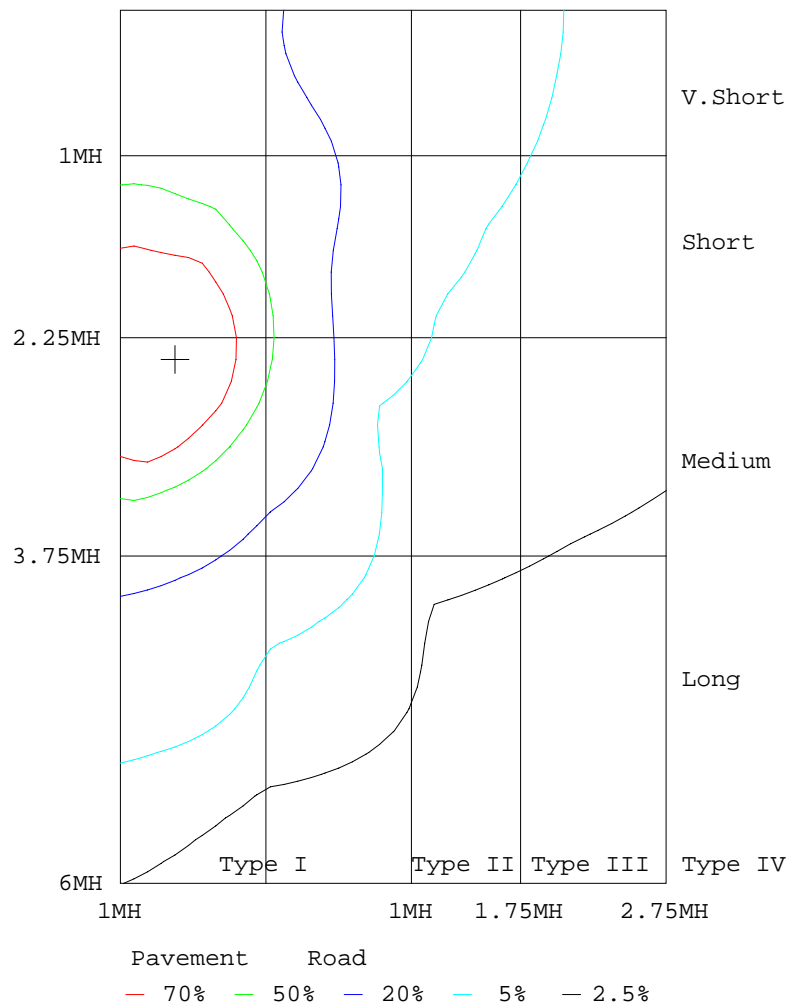
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694	694
5	693	716	736	754	767	777	781	777	767	754	736	716	693	665	640	618	602	592	592
10	699	743	779	807	825	840	844	840	825	807	779	743	699	644	591	547	517	500	497
15	713	774	820	850	866	879	882	879	866	850	820	774	713	632	553	493	454	434	430
20	734	810	858	884	893	904	906	904	893	884	858	810	734	631	528	458	417	398	393
25	762	850	895	912	917	923	924	923	917	912	895	850	762	640	517	443	400	381	374
30	797	892	930	940	939	942	943	942	939	940	930	892	797	658	516	441	397	376	367
35	837	939	967	970	969	973	978	973	969	970	967	939	837	682	523	447	405	384	373
40	883	995	1012	1012	1018	1028	1036	1028	1018	1012	1012	995	883	706	530	453	413	392	381
45	938	1069	1078	1075	1092	1100	1106	1100	1092	1075	1078	1069	938	723	526	445	406	385	374
50	1009	1182	1184	1169	1159	1119	1091	1119	1159	1169	1184	1182	1009	722	494	404	366	348	340
55	1114	1380	1371	1272	1095	917	819	917	1095	1272	1371	1380	1114	680	416	322	289	276	272
60	1276	1769	1693	1276	761	470	369	470	761	1276	1693	1769	1276	560	296	218	199	192	191
65	1440	2404	2159	991	295	161	128	161	295	991	2159	2404	1440	359	177	142	136	134	132
70	1202	2586	2295	421	103	85.4	86.0	85.4	103	421	2295	2586	1202	163	111	107	108	107	100
75	355	984	1218	90.7	66.8	67.9	61.6	67.9	66.8	90.7	1218	984	355	83.2	81.1	83.1	86.6	68.0	61.6
80	48.6	110	187	48.4	41.4	36.0	34.3	36.0	41.4	48.4	110	48.6	53.2	51.0	43.6	58.7	44.1	43.4	
85	19.9	24.9	42.6	24.1	15.4	16.5	15.7	16.5	15.4	24.1	42.6	24.9	19.9	25.5	17.2	18.7	23.4	22.9	20.6
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:2022-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:478.9V I:0.4857A P:219.6W PF:0.9441 Freq:60.01Hz Lamp Flux:34564x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-230WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	694	694	694	694	694														
5	592	602	618	640	665														
10	500	517	547	591	644														
15	434	454	493	553	632														
20	398	417	458	528	631														
25	381	400	443	517	640														
30	376	397	441	516	658														
35	384	405	447	523	682														
40	392	413	453	530	706														
45	385	406	445	526	723														
50	348	366	404	494	722														
55	276	289	322	416	680														
60	192	199	218	296	560														
65	134	136	142	177	359														
70	107	108	107	111	163														
75	68.0	86.6	83.1	81.1	83.2														
80	44.1	58.7	43.6	51.0	53.2														
85	22.9	23.4	18.7	17.2	25.5														
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:2022-12-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: