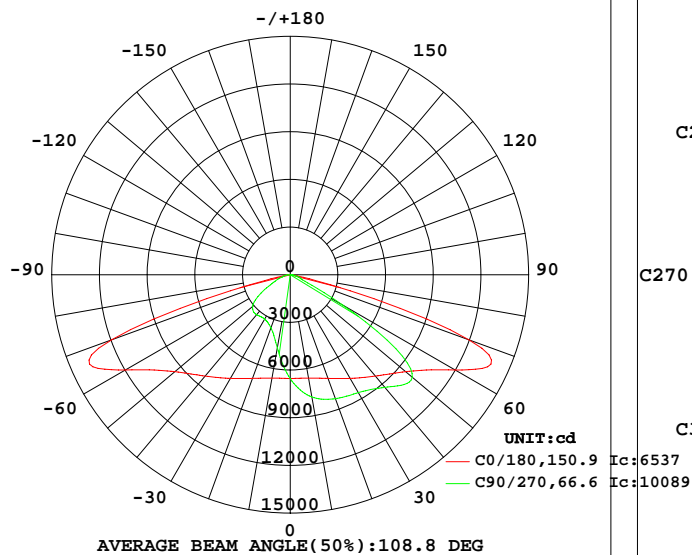
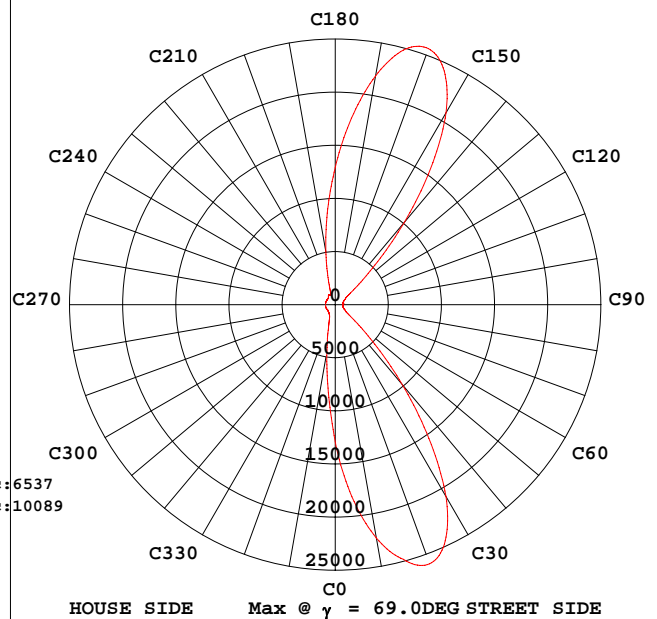


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.29 lm/W			
MODEL	2835	I _{max} (cd)	24811	η street_up(%)	0.0
NOMINAL POWER(W)	200	LOR(%)	100.0	η street_down(%)	71.1
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	31740	η house_up(%)	0.0
NOMINAL FLUX(lm)	31740.1	MAXIMUM @(C,γ)	165,69.0	η house_down(%)	28.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	

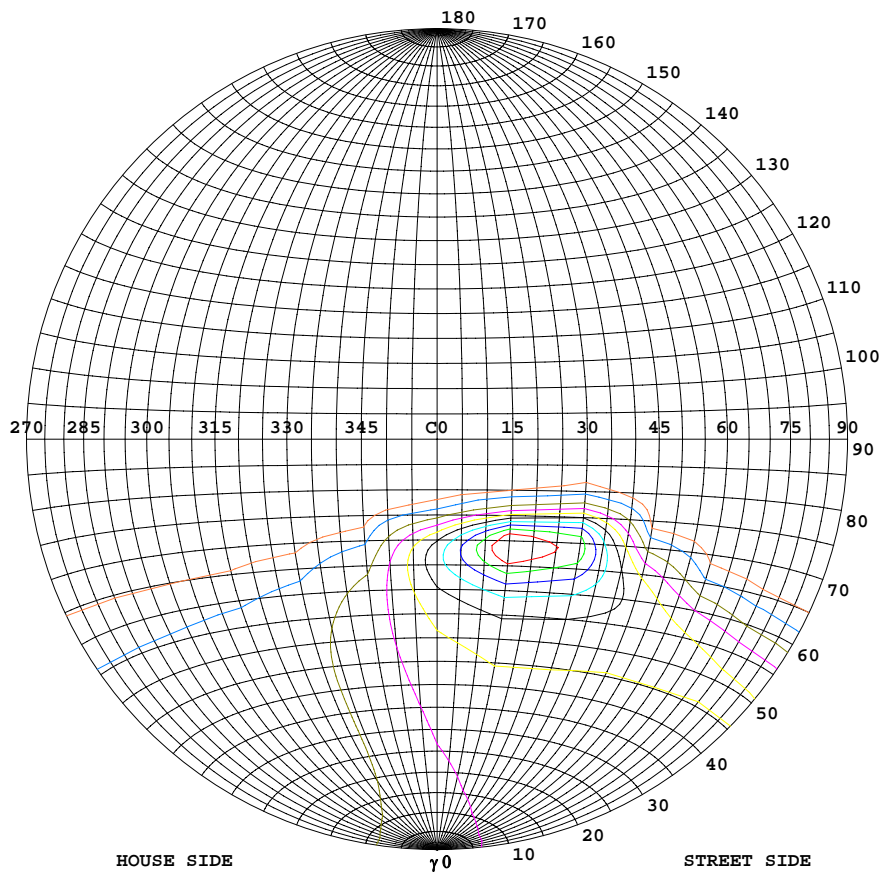
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:



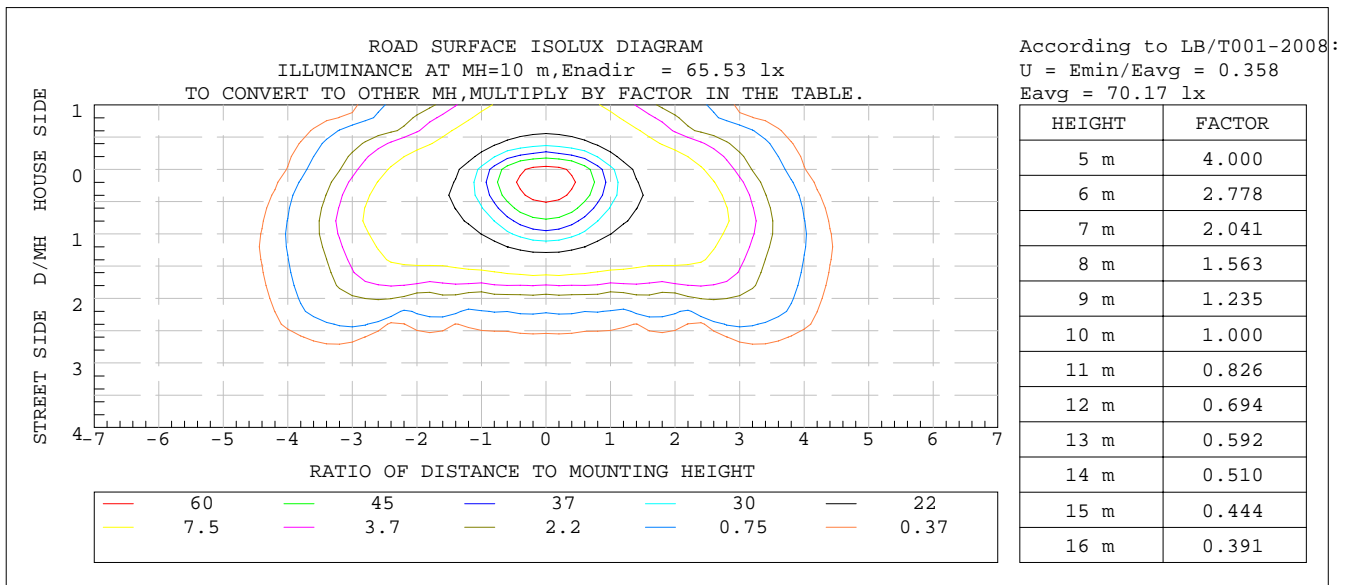
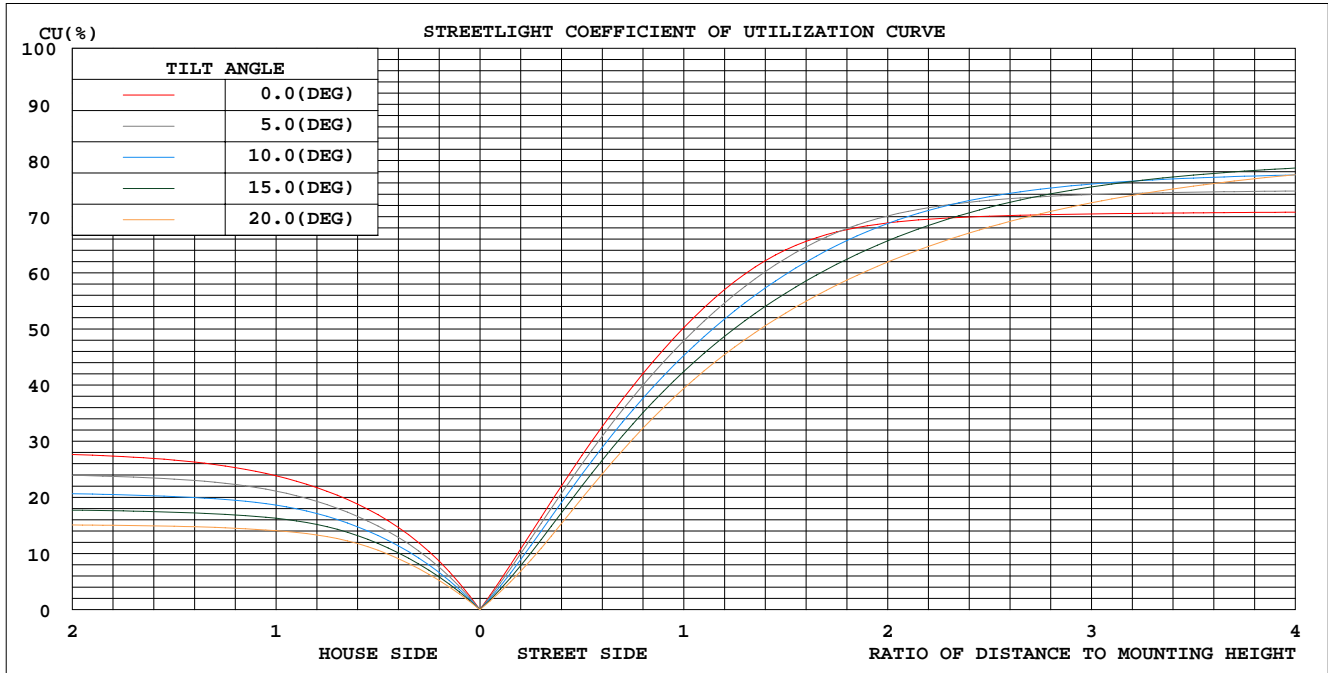
Classification:

IES:Type III - Medium
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:62.07cd/klm
Max.At90:0cd/klm
Max.80-90:62.07cd/klm
NRB 5101:Limited[3.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	24811
90%	22330
80%	19849
70%	17368
60%	14887
50%	12406
40%	9924
30%	7443
20%	4962
10%	2481
5%	1241

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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:

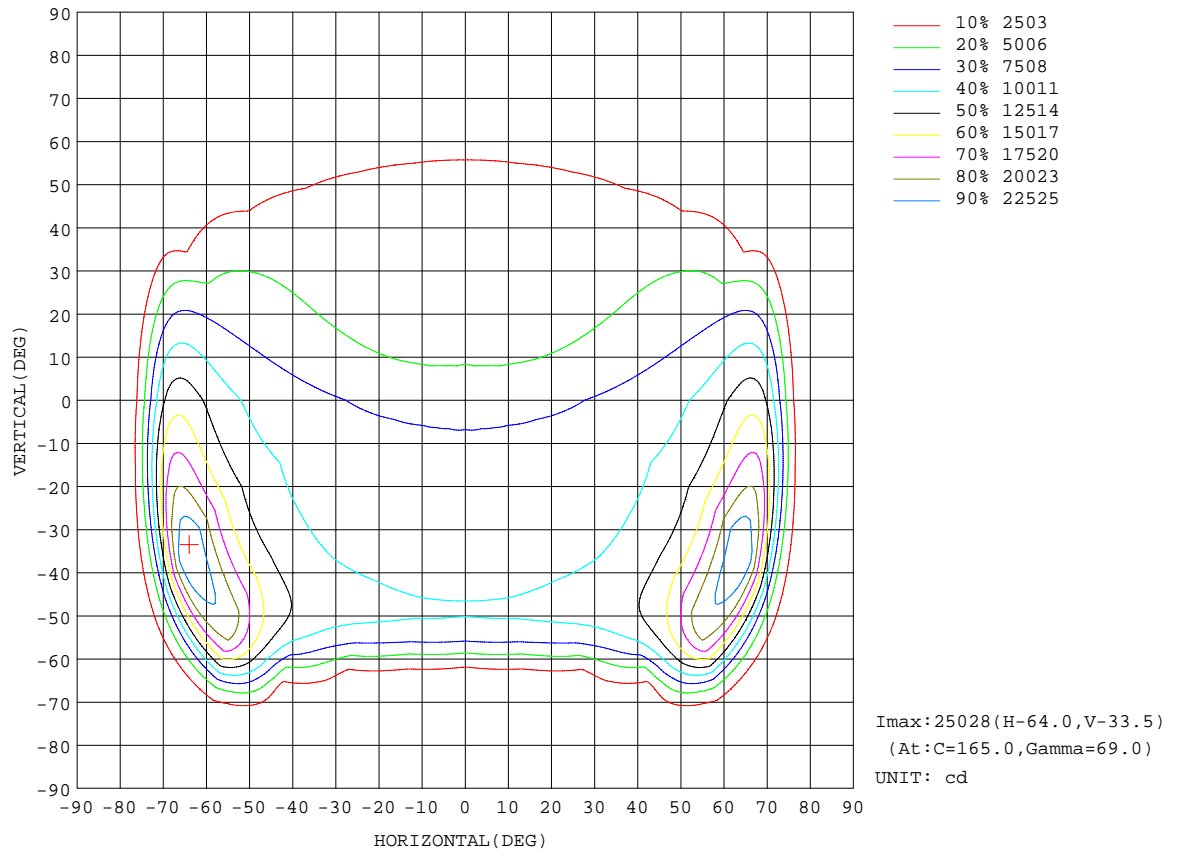
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum,lamp
10	660.5	754.9	780.9	754.9	660.5	521.5	468.8	521.5	0- 10	616.8	616.8	1.94,1.94
20	694.1	820.3	830.2	820.3	694.1	424.5	356.1	424.5	10- 20	1799	2416	7.61,7.61
30	753.0	866.2	856.0	866.2	753.0	391.4	323.1	391.4	20- 30	2964	5380	17,17
40	832.8	925.5	925.3	925.5	832.8	391.4	328.6	391.4	30- 40	4205	9585	30.2,30.2
50	949.1	1055	1002	1055	949.1	367.8	309.0	367.8	40- 50	5609	15194	47.9,47.9
60	1199	1165	377.8	1165	1199	224.4	186.1	224.4	50- 60	6688	21882	68.9,68.9
70	1196	412.7	69.55	412.7	1196	85.26	85.27	85.26	60- 70	6551	28433	89.6,89.6
80	46.90	40.28	28.02	40.28	46.90	34.62	34.97	34.62	70- 80	3064	31497	99.2,99.2
90	0	0	0	0	0	0	0	0	80- 90	243.0	31740	100,100
100	0	0	0	0	0	0	0	0	90-100	0	31740	100,100
110	0	0	0	0	0	0	0	0	100-110	0	31740	100,100
120	0	0	0	0	0	0	0	0	110-120	0	31740	100,100
130	0	0	0	0	0	0	0	0	120-130	0	31740	100,100
140	0	0	0	0	0	0	0	0	130-140	0	31740	100,100
150	0	0	0	0	0	0	0	0	140-150	0	31740	100,100
160	0	0	0	0	0	0	0	0	150-160	0	31740	100,100
170	0	0	0	0	0	0	0	0	160-170	0	31740	100,100
180	0	0	0	0	0	0	0	0	170-180	0	31740	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

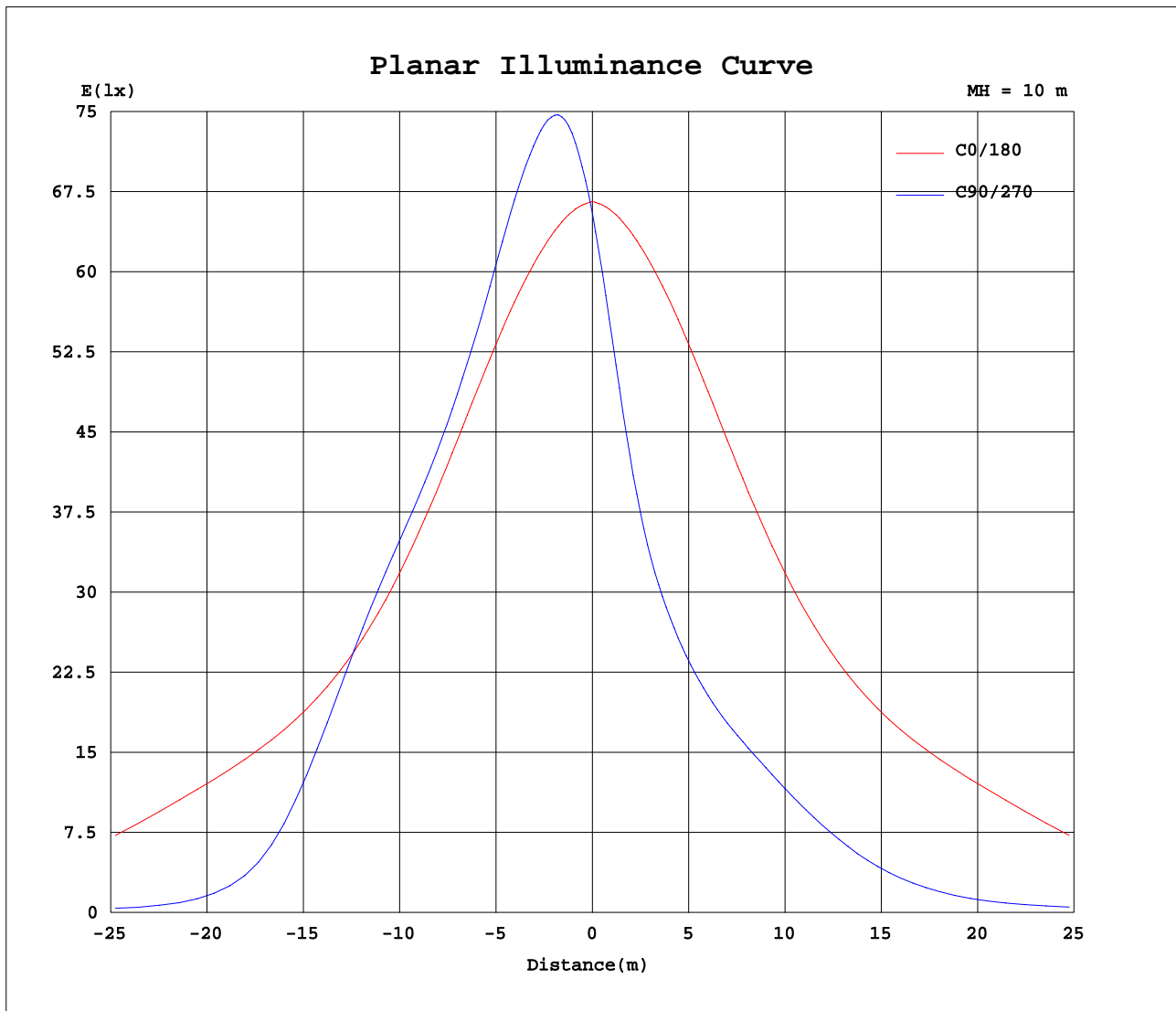
Test:U:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-HVS-L2-5070-T301-P	DIM.: 580*260*65mm	SERIAL No.:
MFR.: AOK	SUR.:215*215mm	Shielding Angle:



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



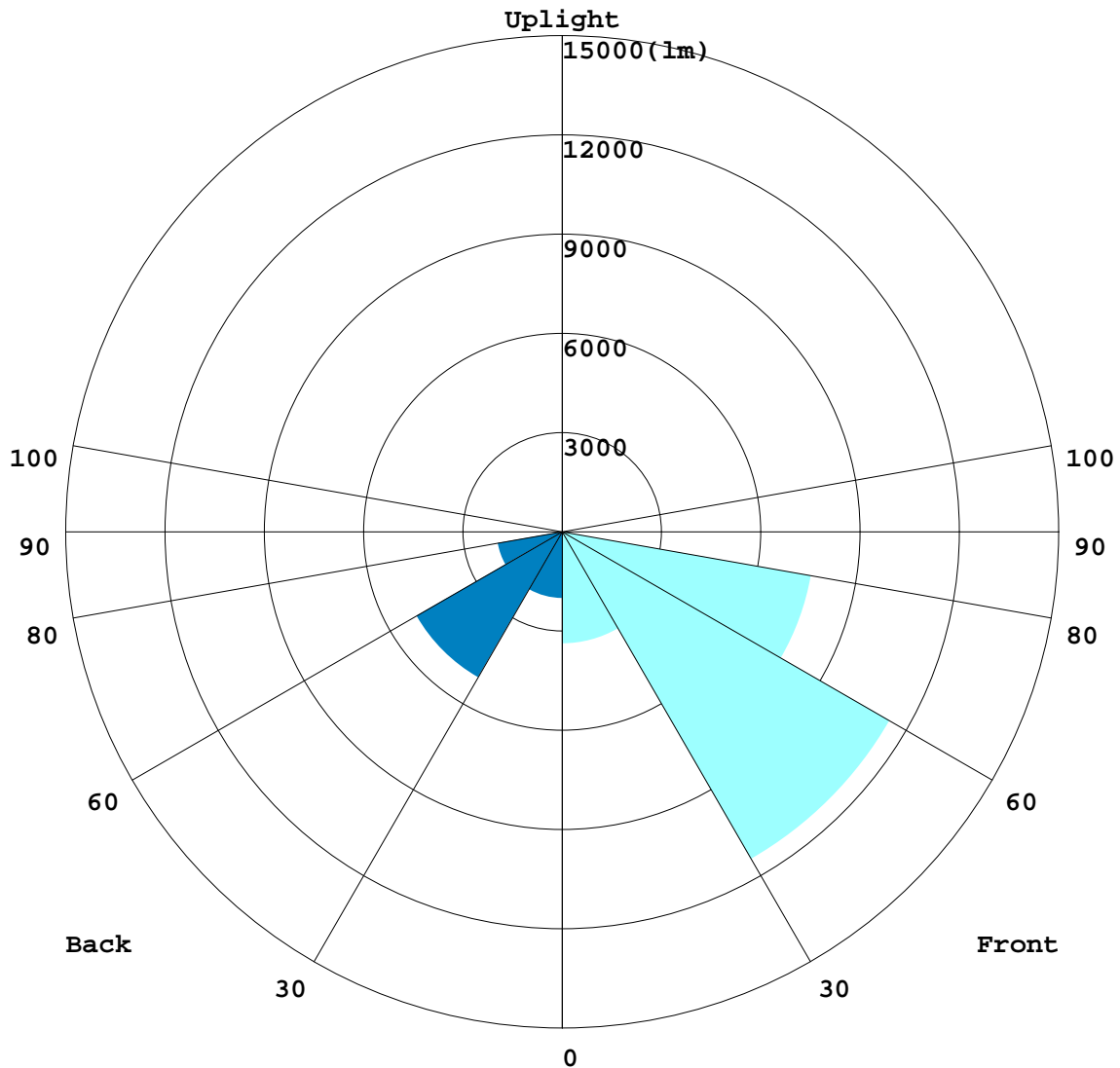
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-10

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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-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)	3375.5	10.6
FM - Front-Medium(30-60)	11418	36.0
FH - Front-High(60-80)	7634.8	24.1
FVH - Front-Very High(80-90)	144.14	0.5
Total Forward Light	22573	71.1

BL - Back-Low(0-30)	2004.9	6.3
BM - Back-Medium(30-60)	5083.4	16.0
BH - Back-High(60-80)	1980	6.2
BVH - Back-Very High(80-90)	98.903	0.3
Total Back Light	9167.2	28.9

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	9167.2	0	9167.2
Street Side	22573	0	22573

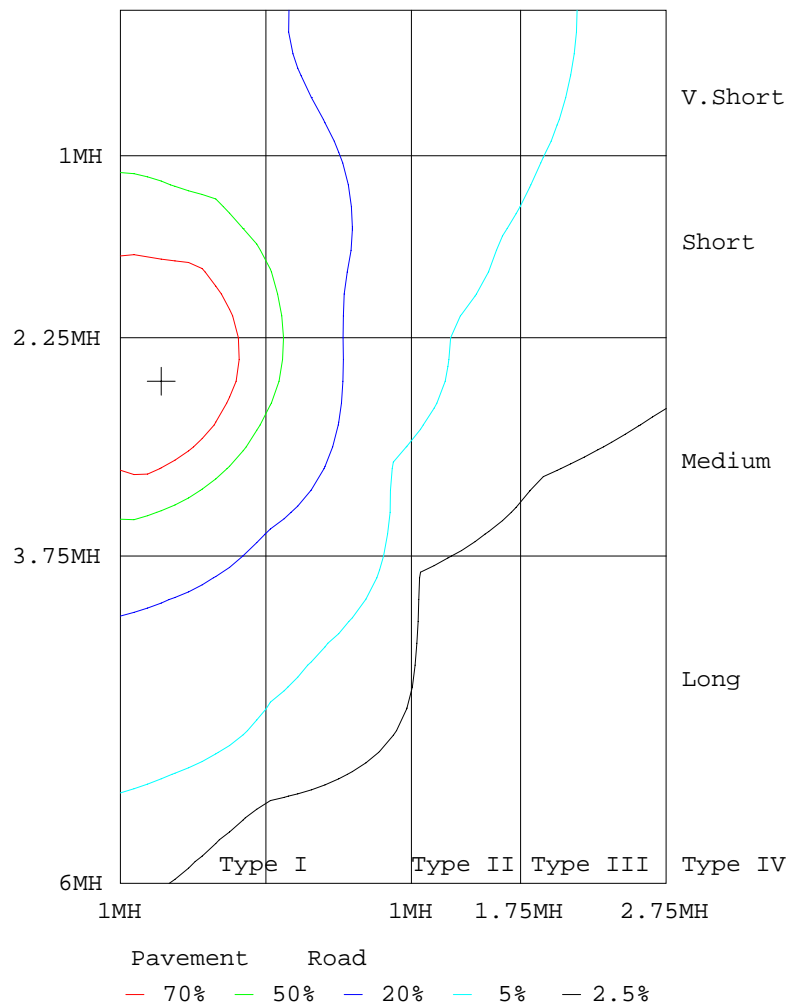
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-10

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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-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	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654
5	654	675	693	708	718	727	728	727	718	708	693	675	654	630	608	588	574	564	562
10	660	700	731	755	768	779	781	779	768	755	731	700	660	613	564	521	491	473	469
15	674	728	767	791	802	811	811	811	802	791	767	728	674	601	526	465	424	403	398
20	694	760	801	820	825	831	830	831	825	820	801	760	694	598	499	424	380	361	356
25	721	796	832	843	844	845	843	845	844	843	832	796	721	602	481	401	357	338	333
30	753	833	862	866	861	859	856	859	861	866	862	833	753	613	473	391	348	329	323
35	790	875	893	891	885	883	882	883	885	891	893	875	790	627	471	390	348	329	323
40	833	925	932	925	923	924	925	924	923	925	932	925	833	642	471	391	353	335	329
45	883	989	987	977	983	984	984	984	983	977	987	989	883	654	467	388	353	335	328
50	949	1086	1074	1055	1046	1019	1002	1019	1046	1055	1074	1086	949	657	449	368	332	316	309
55	1046	1256	1229	1146	1016	881	812	881	1016	1146	1229	1256	1046	641	403	314	280	265	259
60	1199	1584	1490	1165	744	474	378	474	744	1165	1490	1584	1199	585	314	224	198	187	186
65	1370	2153	1876	936	294	156	122	156	294	936	1876	2153	1370	441	192	134	123	121	119
70	1196	2389	2063	413	92.1	70.6	69.6	70.6	92.1	413	2063	2389	1196	219	98.2	85.3	86.6	88.0	85.3
75	391	1043	1217	79.7	55.0	56.4	51.0	56.4	55.0	79.7	1217	1043	391	74.4	62.6	64.8	69.0	56.5	50.1
80	46.9	122	197	40.3	34.2	29.8	28.0	29.8	34.2	40.3	122	197	46.9	41.4	40.2	34.6	47.8	34.8	35.0
85	17.4	22.7	43.5	19.5	12.9	13.2	12.2	13.2	12.9	19.5	43.5	22.7	17.4	20.7	13.6	14.8	17.9	17.9	16.7
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:479.0V I:0.4429A P:198.0W PF:0.9333 Freq:60.01Hz Lamp Flux:31740.1x1 lm		
NAME: AOK PLA	TYPE:series LED Sport Light	WEIGHT:4.7kg
SPEC.:AOK-200WPLA-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	654	654	654	654	654														
5	564	574	588	608	630														
10	473	491	521	564	613														
15	403	424	465	526	601														
20	361	380	424	499	598														
25	338	357	401	481	602														
30	329	348	391	473	613														
35	329	348	390	471	627														
40	335	353	391	471	642														
45	335	353	388	467	654														
50	316	332	368	449	657														
55	265	280	314	403	641														
60	187	198	224	314	585														
65	121	123	134	192	441														
70	88.0	86.6	85.3	98.2	219														
75	56.5	69.0	64.8	62.6	74.4														
80	34.8	47.8	34.6	40.2	41.4														
85	17.9	17.9	14.8	13.6	20.7														
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: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: