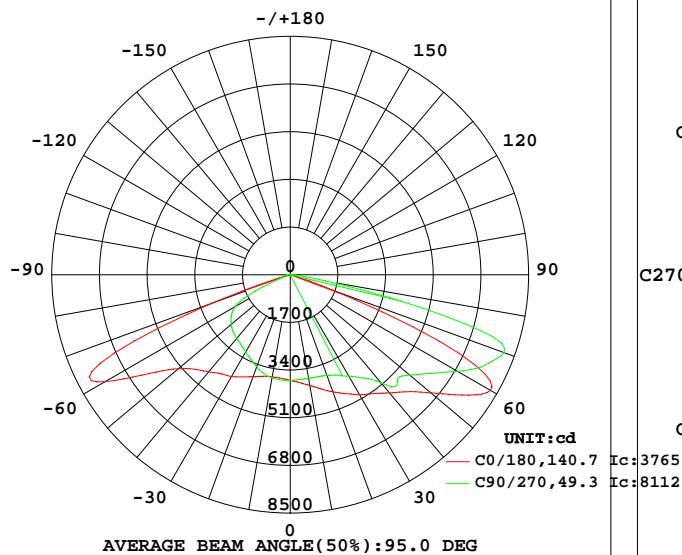
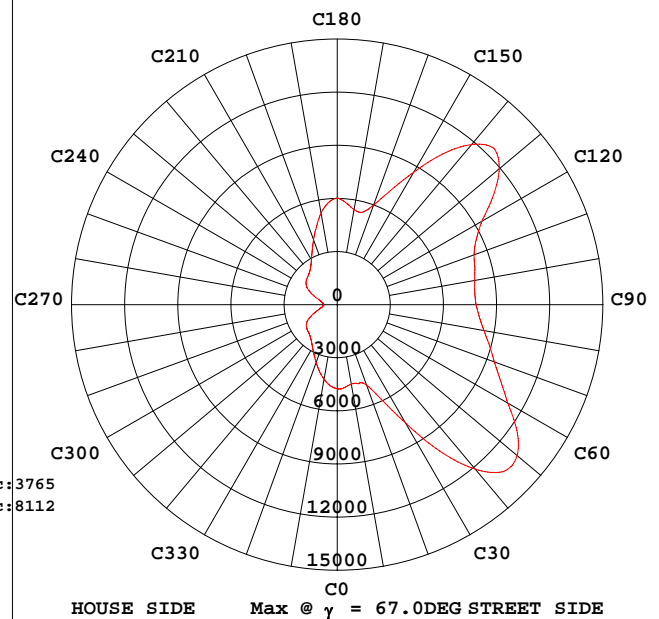


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:479.0V I:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.14 lm/W			
MODEL	2835	I _{max} (cd)	13312	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	65.1
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	22959	η house_up(%)	0.0
NOMINAL FLUX(lm)	22959.1	MAXIMUM @(C,γ)	45,67.0	η house_down(%)	34.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	18.192

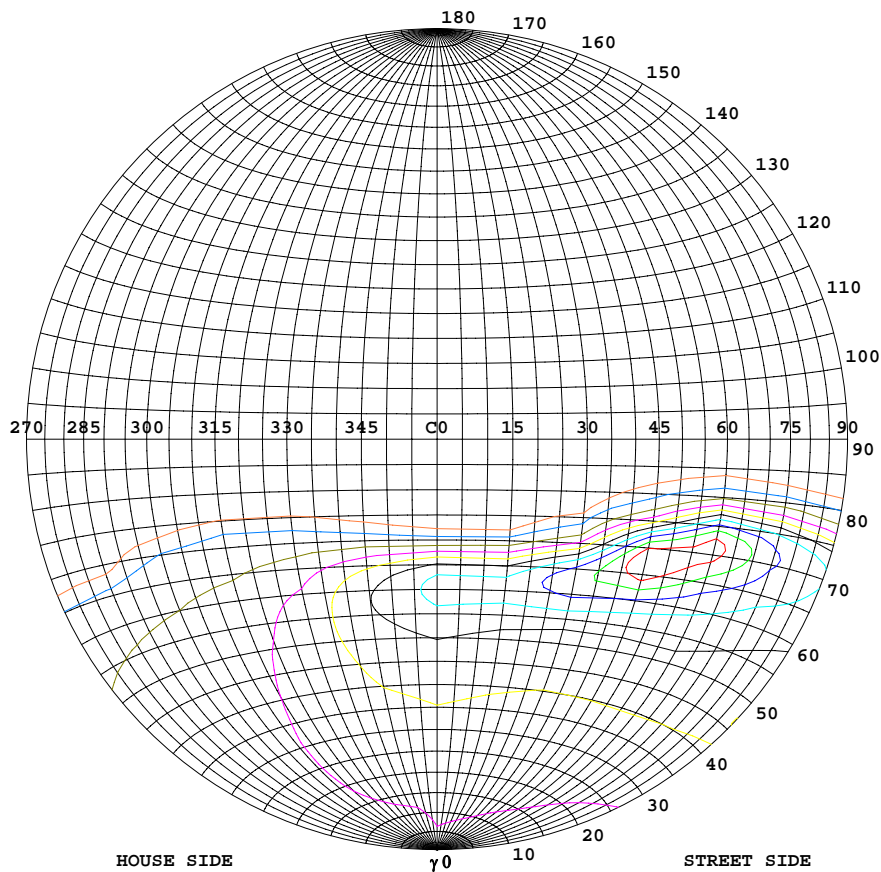
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



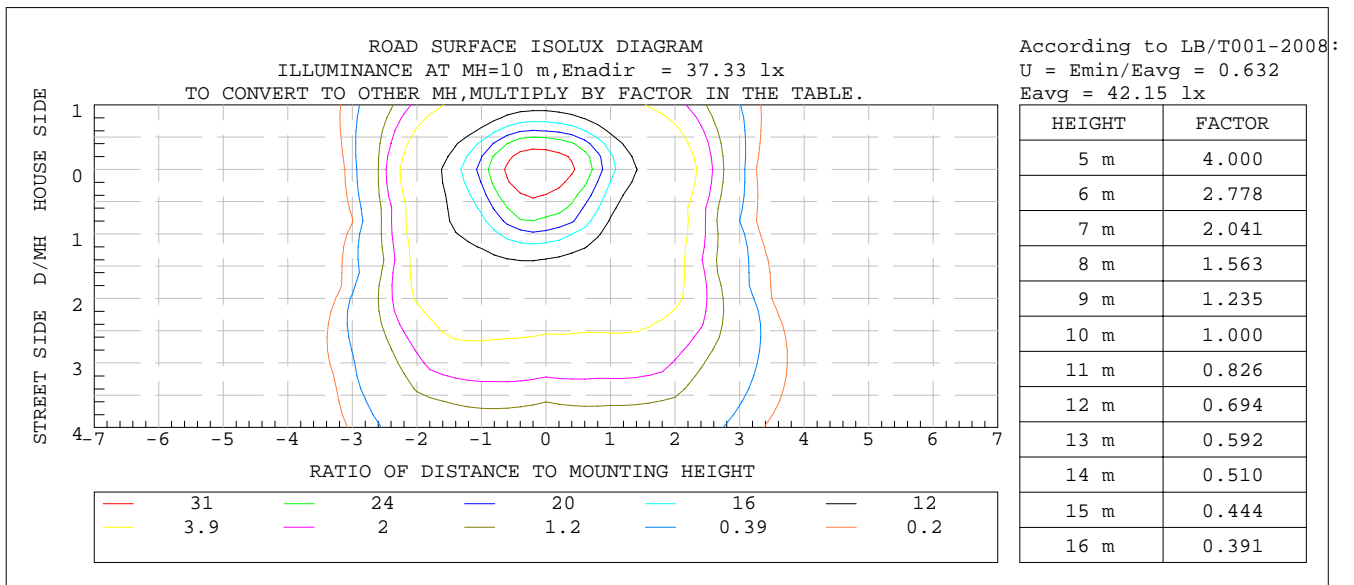
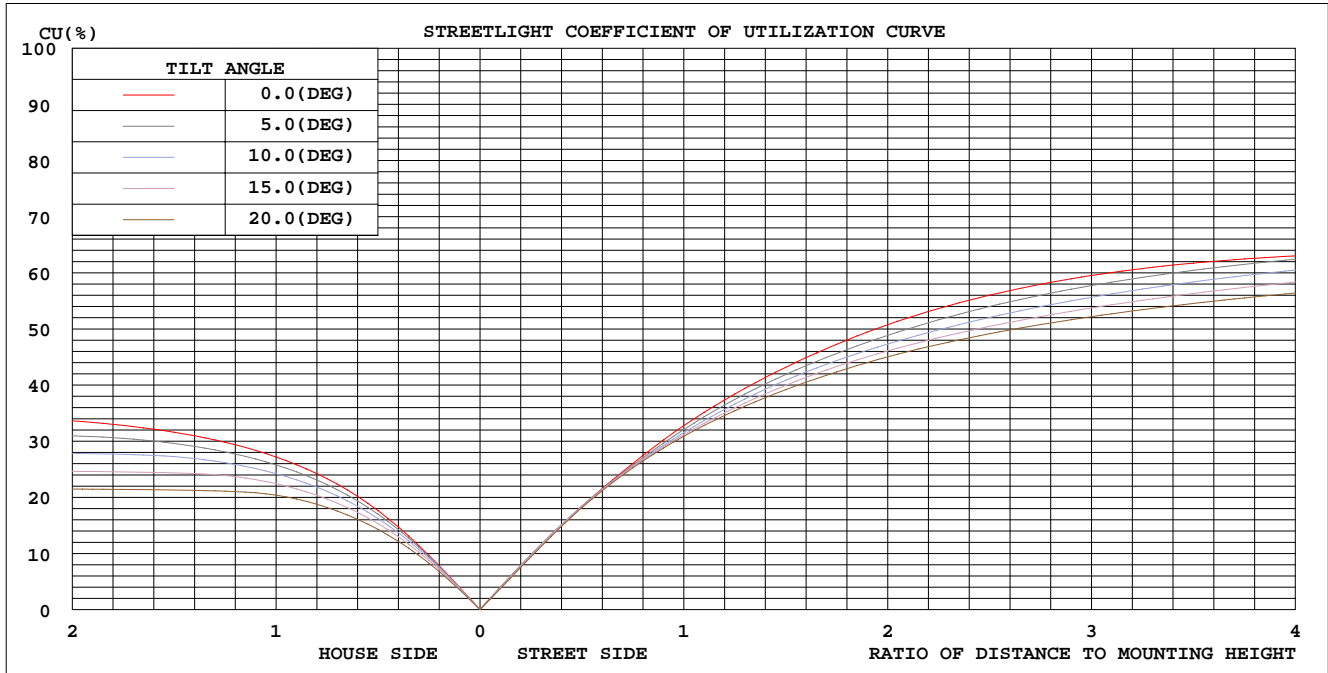
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:127.9cd/klm
Max.At90:0cd/klm
Max.80-90:127.9cd/klm
NRB 5101:Limited[8.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13312
90%	11981
80%	10650
70%	9319
60%	7987
50%	6656
40%	5325
30%	3994
20%	2662
10%	1331
5%	666

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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: 2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

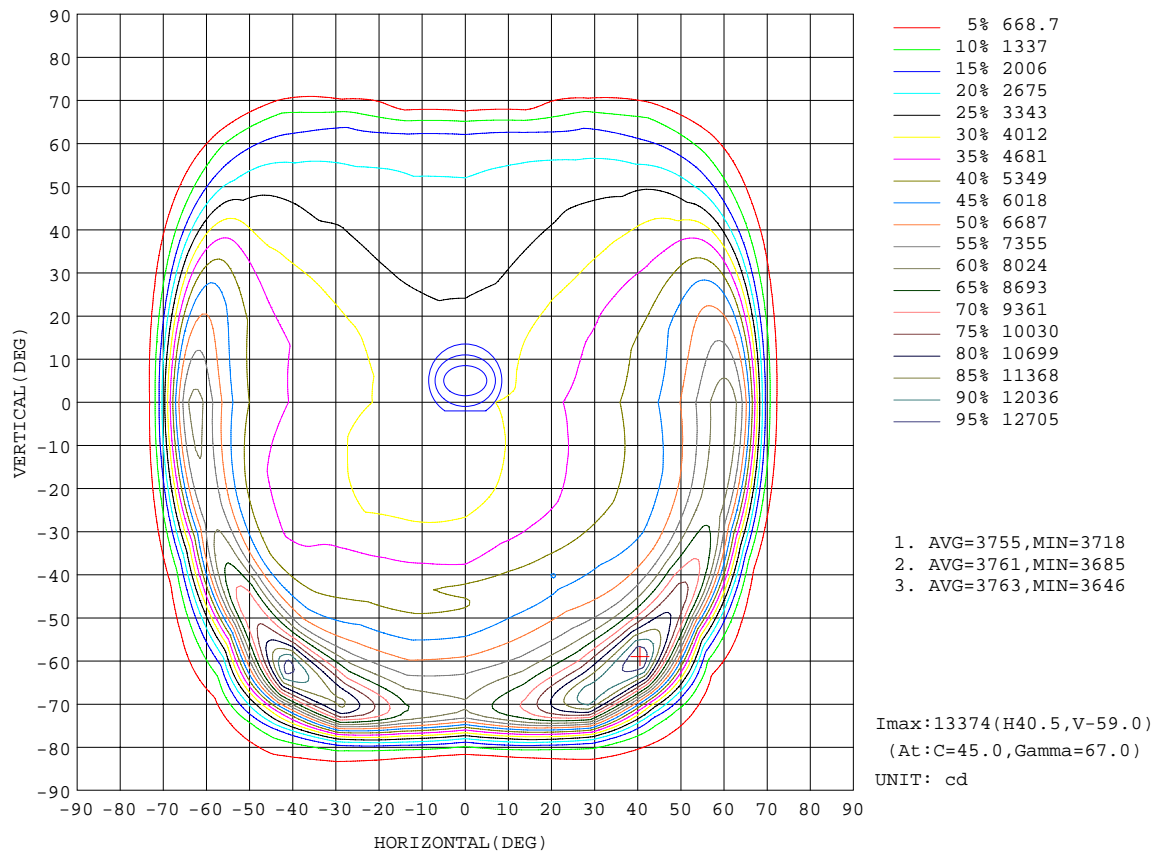
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	400.8	390.5	375.1	367.9	369.9	368.9	373.6	389.4	0- 10	360.8	360.8	1.57,1.57
20	444.1	418.4	381.8	373.4	387.1	367.1	350.2	406.6	10- 20	1093	1454	6.33,6.33
30	493.6	459.3	417.5	392.6	419.0	368.9	317.6	414.2	20- 30	1859	3313	14.4,14.4
40	550.2	530.8	503.5	441.7	452.5	359.8	297.0	404.7	30- 40	2684	5997	26.1,26.1
50	655.8	620.4	557.0	501.2	521.1	339.6	274.4	378.9	40- 50	3594	9592	41.8,41.8
60	824.3	914.0	688.9	696.5	762.8	298.1	225.7	317.0	50- 60	4728	14320	62.4,62.4
70	158.3	1183	811.2	1294	293.3	192.6	38.21	178.8	60- 70	5656	19976	87,87
80	13.92	110.0	126.9	190.9	13.25	19.26	21.27	18.18	70- 80	2739	22715	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	244.0	22959	100,100
100	0	0	0	0	0	0	0	0	90-100	0	22959	100,100
110	0	0	0	0	0	0	0	0	100-110	0	22959	100,100
120	0	0	0	0	0	0	0	0	110-120	0	22959	100,100
130	0	0	0	0	0	0	0	0	120-130	0	22959	100,100
140	0	0	0	0	0	0	0	0	130-140	0	22959	100,100
150	0	0	0	0	0	0	0	0	140-150	0	22959	100,100
160	0	0	0	0	0	0	0	0	150-160	0	22959	100,100
170	0	0	0	0	0	0	0	0	160-170	0	22959	100,100
180	0	0	0	0	0	0	0	0	170-180	0	22959	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:2022-12-21

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

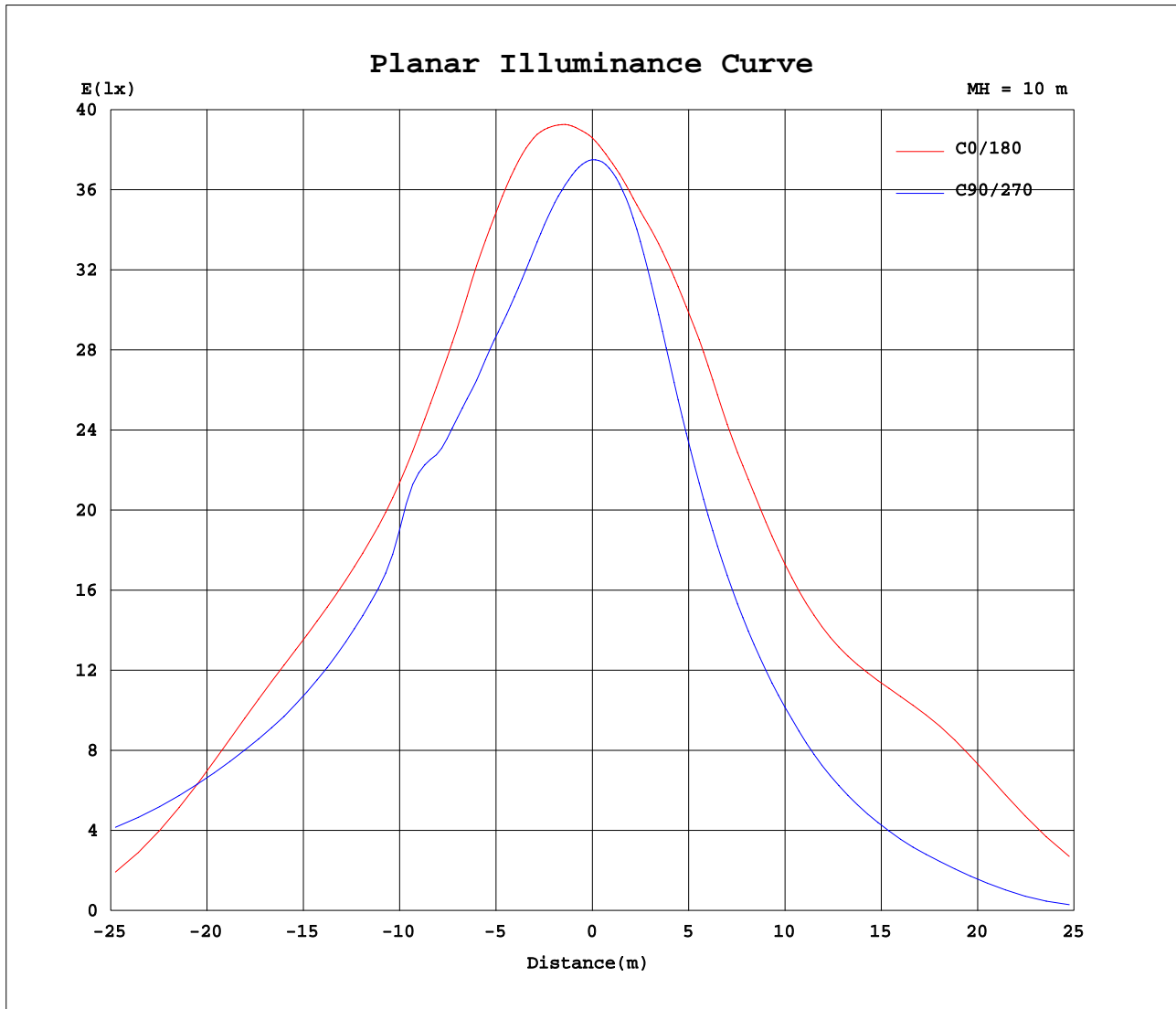
Test:U:479.0V I:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-21

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



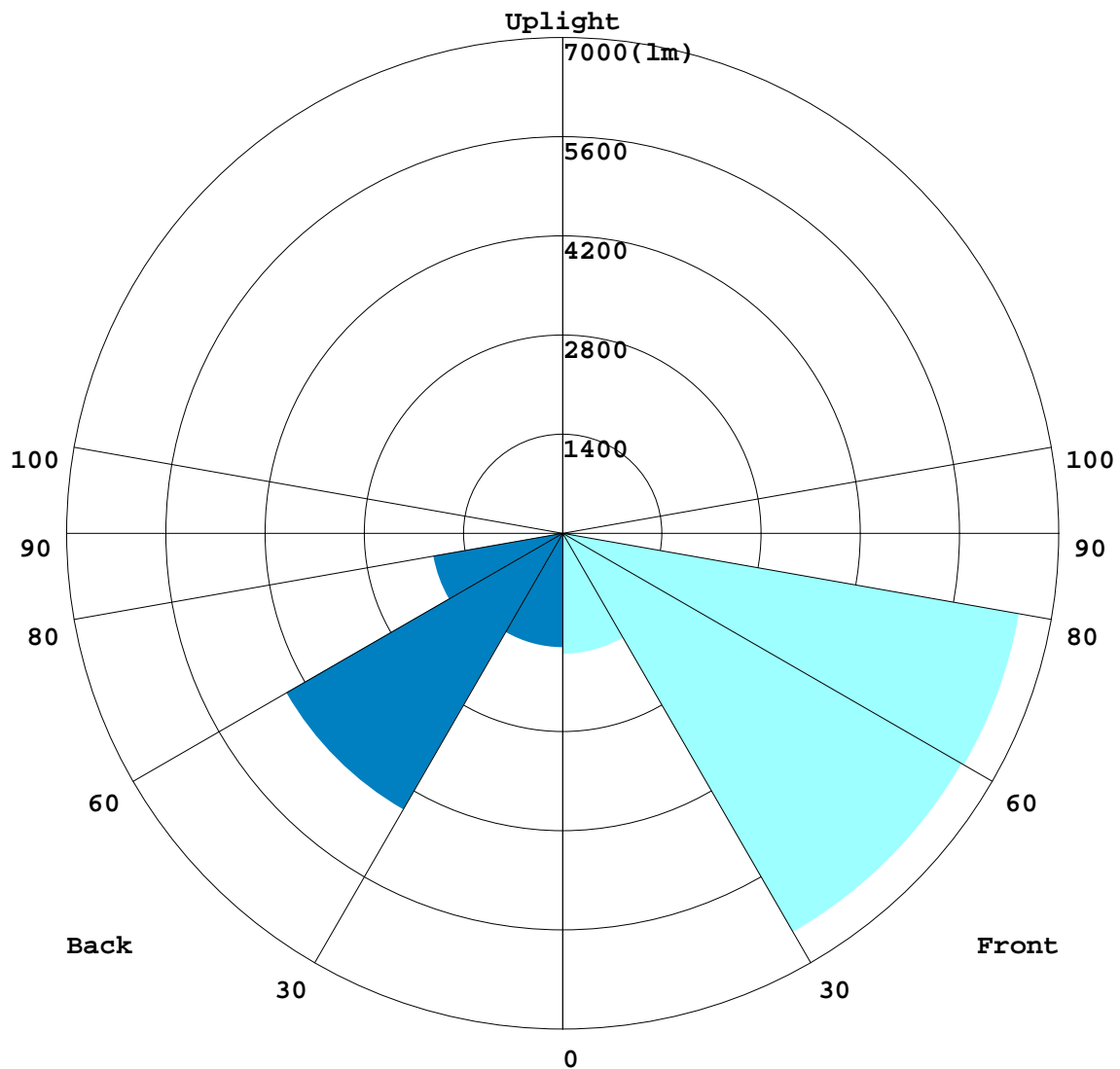
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1702.9	7.4
FM - Front-Medium(30-60)	6503.9	28.3
FH - Front-High(60-80)	6541.7	28.5
FVH - Front-Very High(80-90)	191.99	0.8
Total Forward Light	14941	65.1

BL - Back-Low(0-30)	1610.4	7.0
BM - Back-Medium(30-60)	4502.6	19.6
BH - Back-High(60-80)	1853.5	8.1
BVH - Back-Very High(80-90)	51.996	0.2
Total Back Light	8018.6	34.9

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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8018.6	0	8018.6
Street Side	14941	0	14941

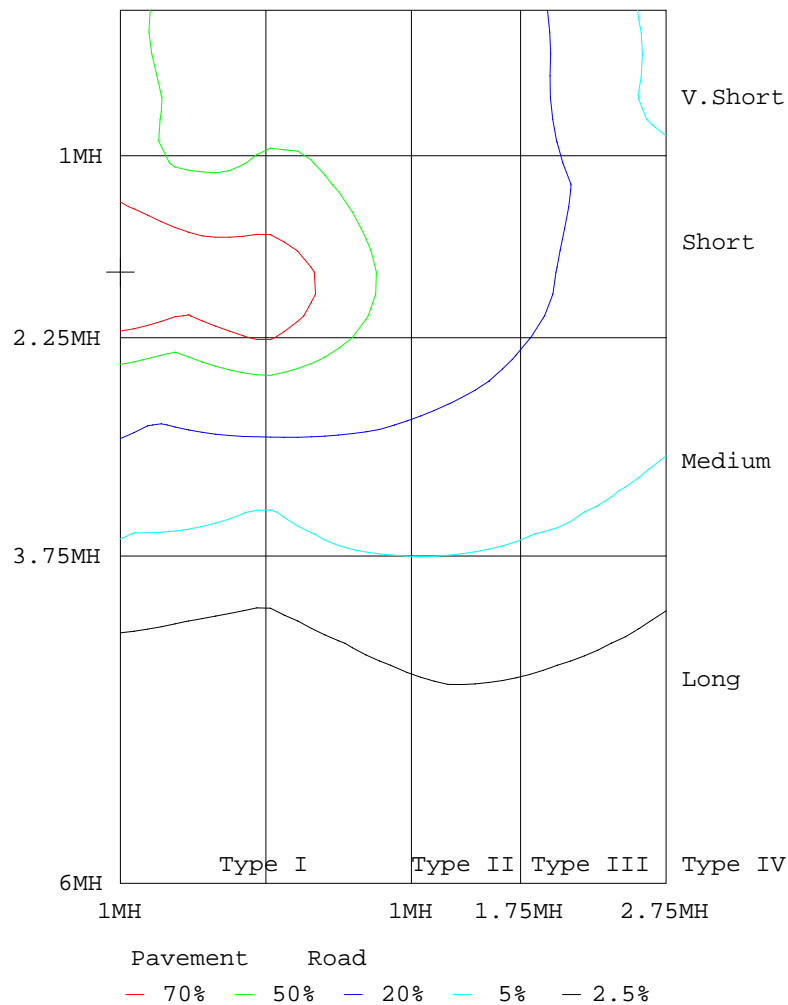
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377	377
5	386	385	384	382	380	377	375	373	372	371	370	371	371	371	372	372	373	375	377
10	401	400	396	391	385	380	375	371	368	368	370	371	370	371	370	369	369	370	374
15	421	418	413	403	395	386	377	372	370	370	372	374	375	376	372	367	363	361	365
20	444	439	431	418	407	394	382	376	374	373	378	384	387	389	381	367	354	348	350
25	468	462	451	436	426	412	396	390	386	380	389	397	402	403	391	369	346	332	333
30	494	486	474	459	452	440	417	411	402	393	402	414	419	419	400	369	337	319	318
35	517	508	498	488	488	481	450	447	438	411	416	424	431	431	406	364	328	308	306
40	550	535	524	531	538	530	504	486	472	442	430	440	452	451	411	360	318	298	297
45	590	566	559	582	600	580	540	529	524	484	452	458	477	471	412	351	310	288	288
50	656	620	602	620	628	598	557	539	536	501	473	493	521	499	407	340	303	277	274
55	748	723	722	707	707	660	613	592	601	559	546	583	615	549	398	322	284	262	257
60	824	829	949	914	820	739	689	662	690	696	793	759	763	605	377	298	257	232	226
65	666	650	947	1261	1010	845	764	760	854	1071	985	698	748	548	328	256	220	160	138
70	158	178	412	1183	1237	946	811	869	1097	1294	548	282	293	272	224	193	138	39.5	38.2
75	22.3	25.9	92.3	488	969	785	578	743	1038	734	182	47.4	32.5	57.8	88.8	84.4	34.7	29.4	29.4
80	13.9	14.9	19.3	110	243	196	127	192	294	191	47.0	14.9	13.2	17.7	18.5	19.3	23.6	20.5	21.3
85	6.48	7.99	7.95	30.3	43.8	32.8	18.0	33.6	52.0	50.8	10.3	6.40	4.98	6.91	5.70	6.57	15.7	11.1	12.1
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:2022-12-21

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:0.3169A P:147.0W PF:0.9686 Freq:60.01Hz Lamp Flux:22959.1x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-150WPLA-HV-L2-00-5070-T411-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	377	377	377	377	377														
5	379	381	383	385	386														
10	377	383	389	396	400														
15	371	383	398	412	421														
20	360	380	407	429	444														
25	345	376	412	444	466														
30	332	368	414	459	492														
35	322	359	410	470	513														
40	313	349	405	479	543														
45	303	340	394	482	573														
50	292	329	379	477	618														
55	275	305	352	463	662														
60	242	269	317	421	662														
65	166	221	255	328	510														
70	40.0	140	179	199	197														
75	29.0	38.6	70.9	76.2	44.7														
80	20.0	24.0	18.2	18.0	17.4														
85	10.9	16.5	6.44	5.86	7.77														
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:2022-12-21

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: