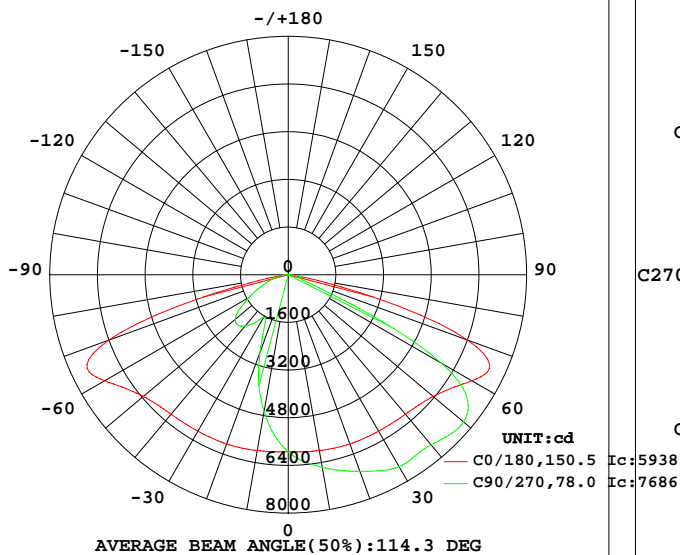
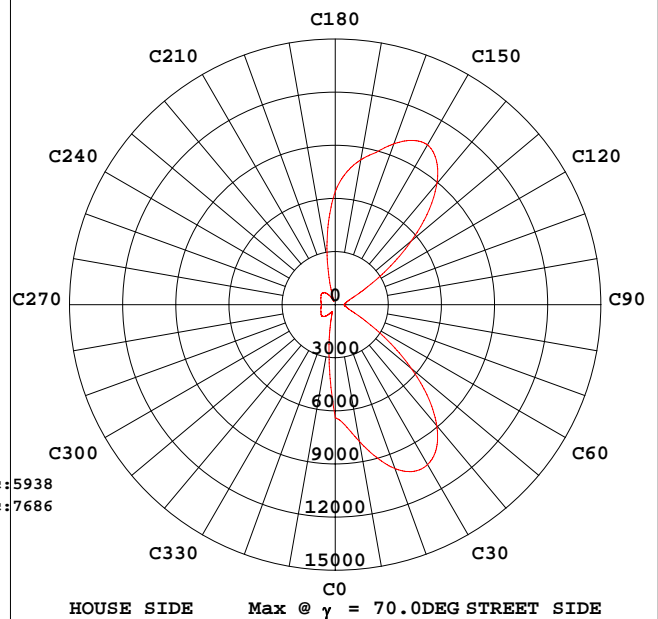


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:478.9V I:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 154.42 lm/W			
MODEL	2835	I _{max} (cd)	10425	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	73.4
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	22655	η house_up(%)	0.0
NOMINAL FLUX(lm)	22654.6	MAXIMUM @(C,γ)	150,70.0	η house_down(%)	26.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	20.867

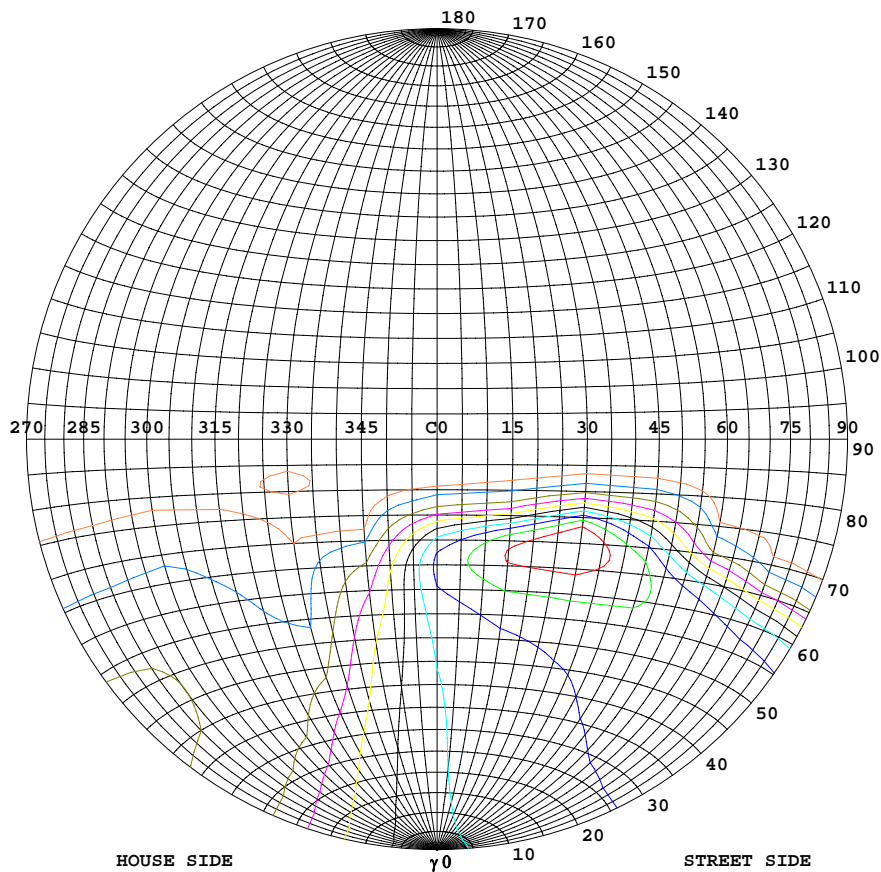
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



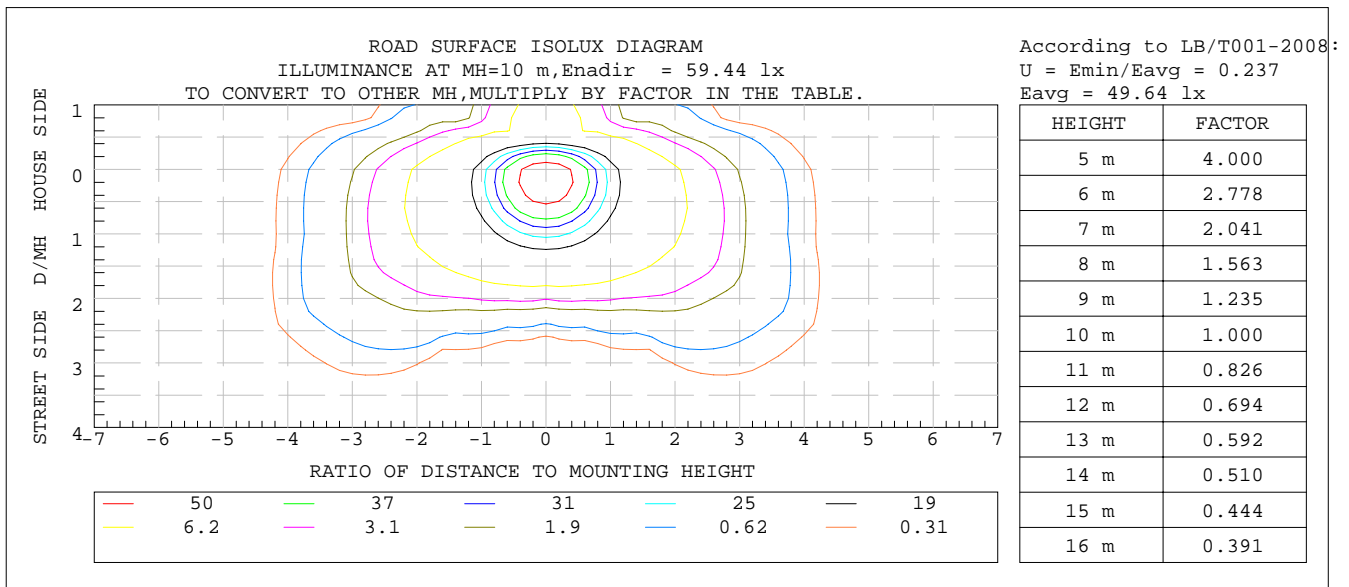
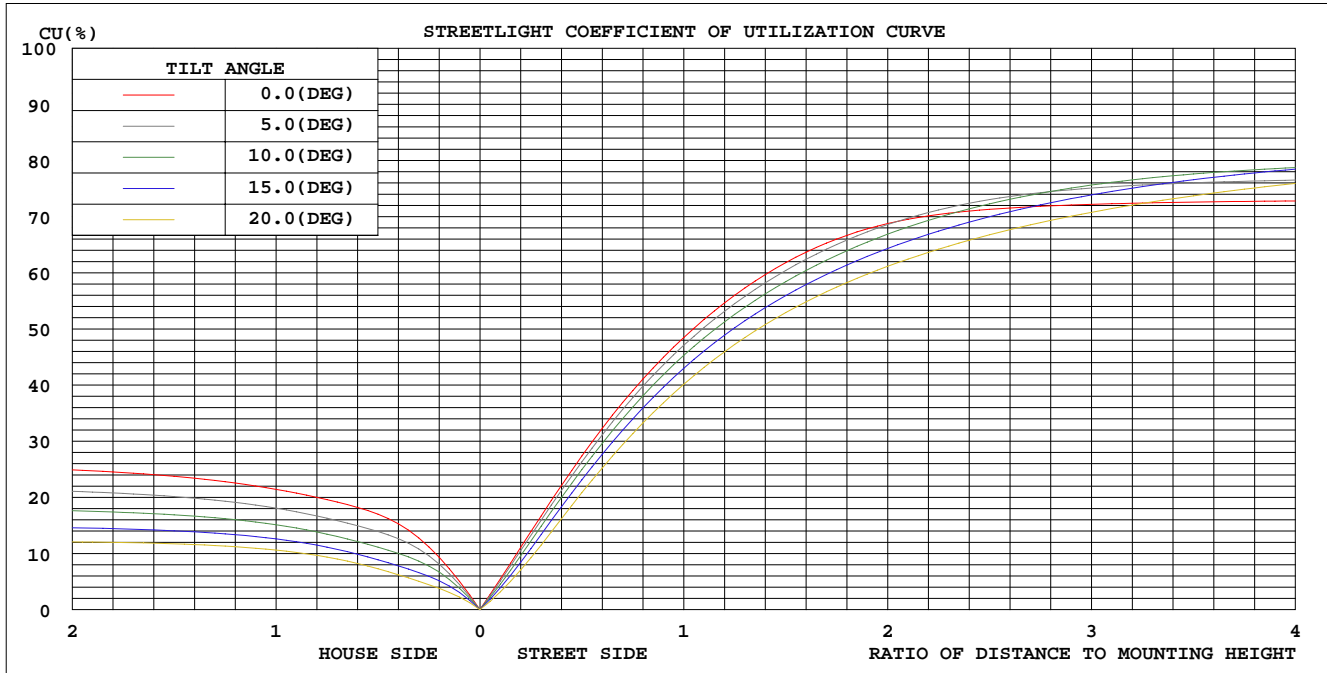
Classification:

IES:Type III - Medium
CIE:Broad - Long
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:81.72cd/klm
Max.At90:0cd/klm
Max.80-90:81.72cd/klm
NRB 5101:Limited[4.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10425
90%	9383
80%	8340
70%	7298
60%	6255
50%	5213
40%	4170
30%	3128
20%	2085
10%	1043
5%	521

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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: 2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

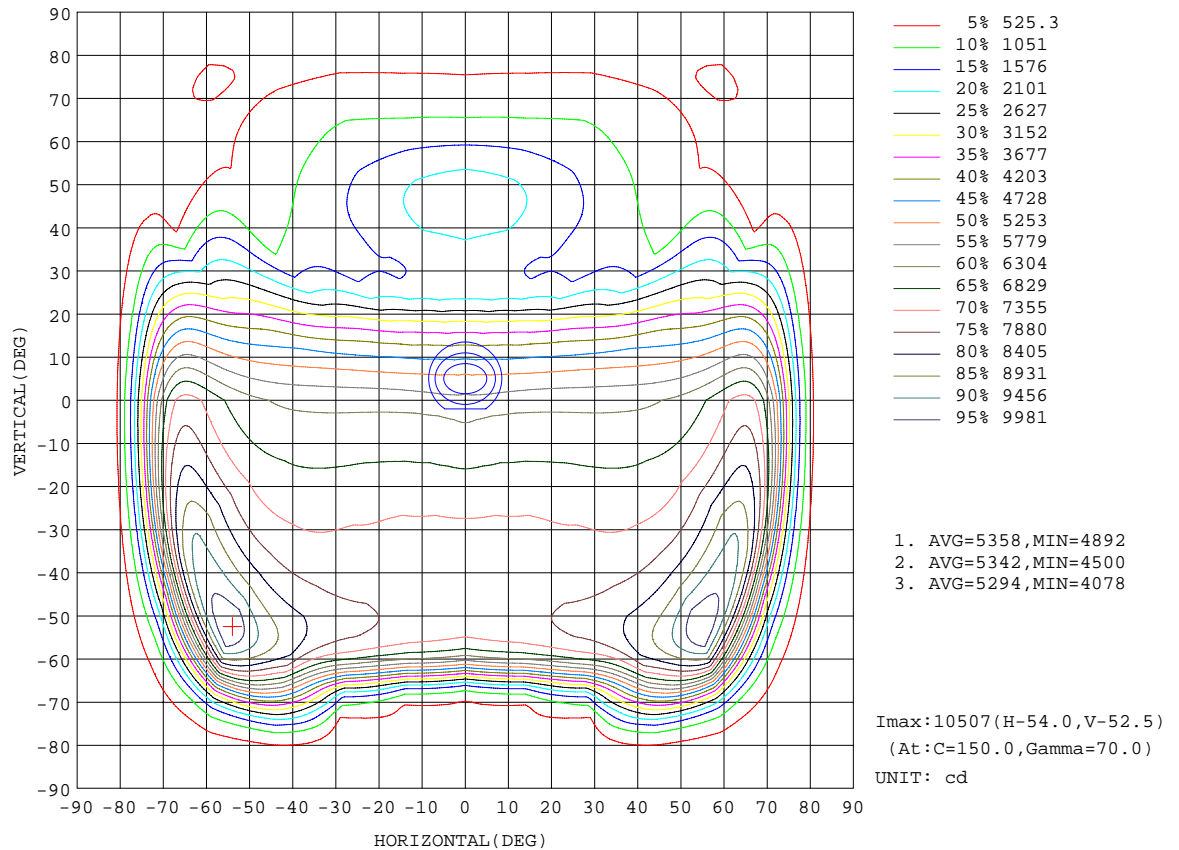
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	599.0	645.1	656.1	645.1	599.0	512.2	466.4	512.2	0- 10	560.5	560.5	2.47,2.47
20	604.2	681.5	702.1	681.5	604.2	395.7	278.5	395.7	10- 20	1591	2152	9.5,9.5
30	606.3	710.7	743.8	710.7	606.3	236.9	165.4	236.9	20- 30	2408	4560	20.1,20.1
40	611.3	737.9	745.4	737.9	611.3	133.6	224.7	133.6	30- 40	3135	7694	34,34
50	635.1	767.2	767.8	767.2	635.1	129.7	232.0	129.7	40- 50	3856	11550	51,51
60	711.7	842.3	595.0	842.3	711.7	110.1	151.5	110.1	50- 60	4462	16012	70.7,70.7
70	639.6	743.6	50.46	743.6	639.6	95.54	78.86	95.54	60- 70	4264	20276	89.5,89.5
80	72.99	134.9	43.72	134.9	72.99	35.89	33.19	35.89	70- 80	2123	22399	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	255.1	22655	100,100
100	0	0	0	0	0	0	0	0	90-100	0	22655	100,100
110	0	0	0	0	0	0	0	0	100-110	0	22655	100,100
120	0	0	0	0	0	0	0	0	110-120	0	22655	100,100
130	0	0	0	0	0	0	0	0	120-130	0	22655	100,100
140	0	0	0	0	0	0	0	0	130-140	0	22655	100,100
150	0	0	0	0	0	0	0	0	140-150	0	22655	100,100
160	0	0	0	0	0	0	0	0	150-160	0	22655	100,100
170	0	0	0	0	0	0	0	0	160-170	0	22655	100,100
180	0	0	0	0	0	0	0	0	170-180	0	22655	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-11

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

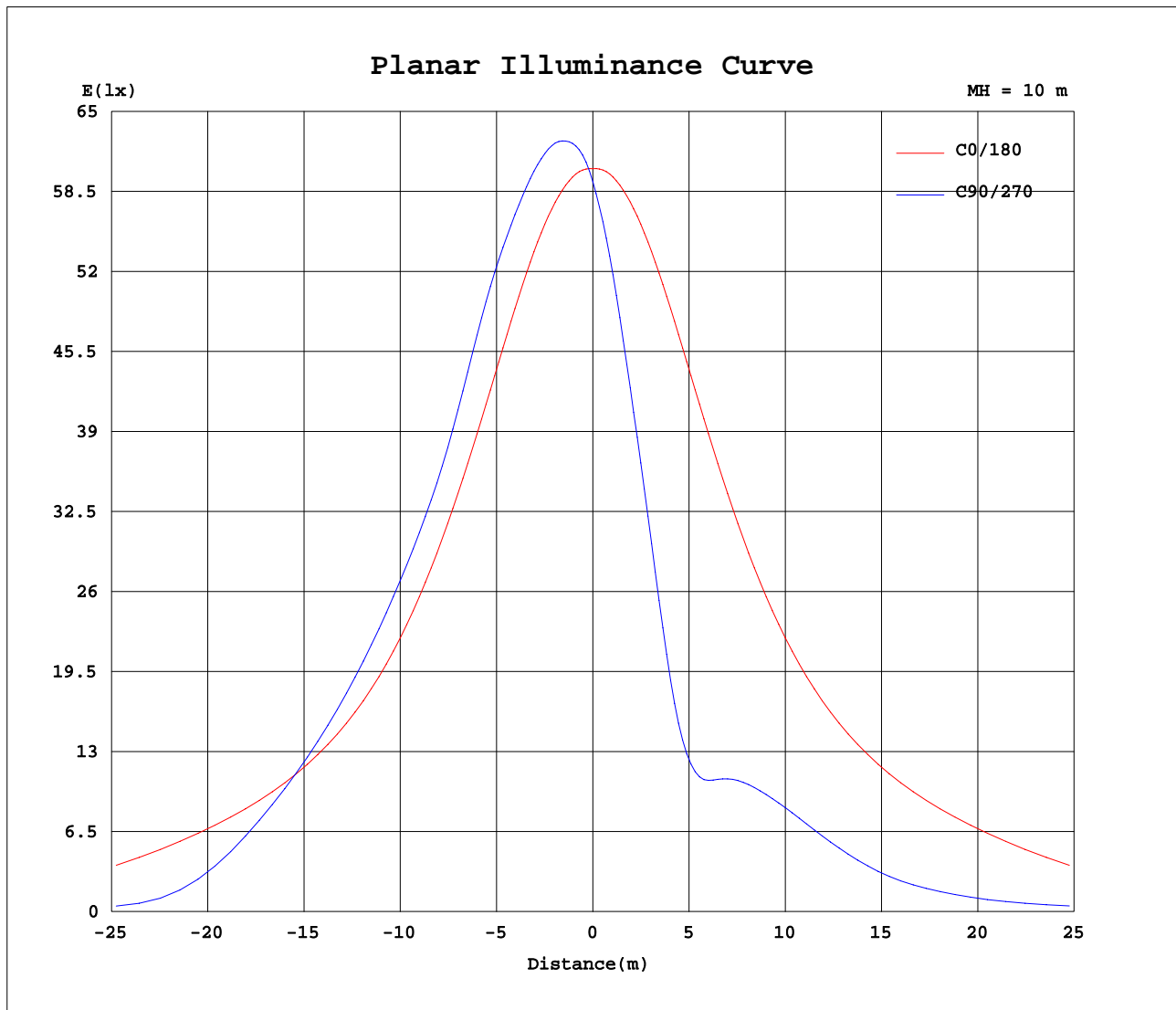
Test:U:478.9V I:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-11

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



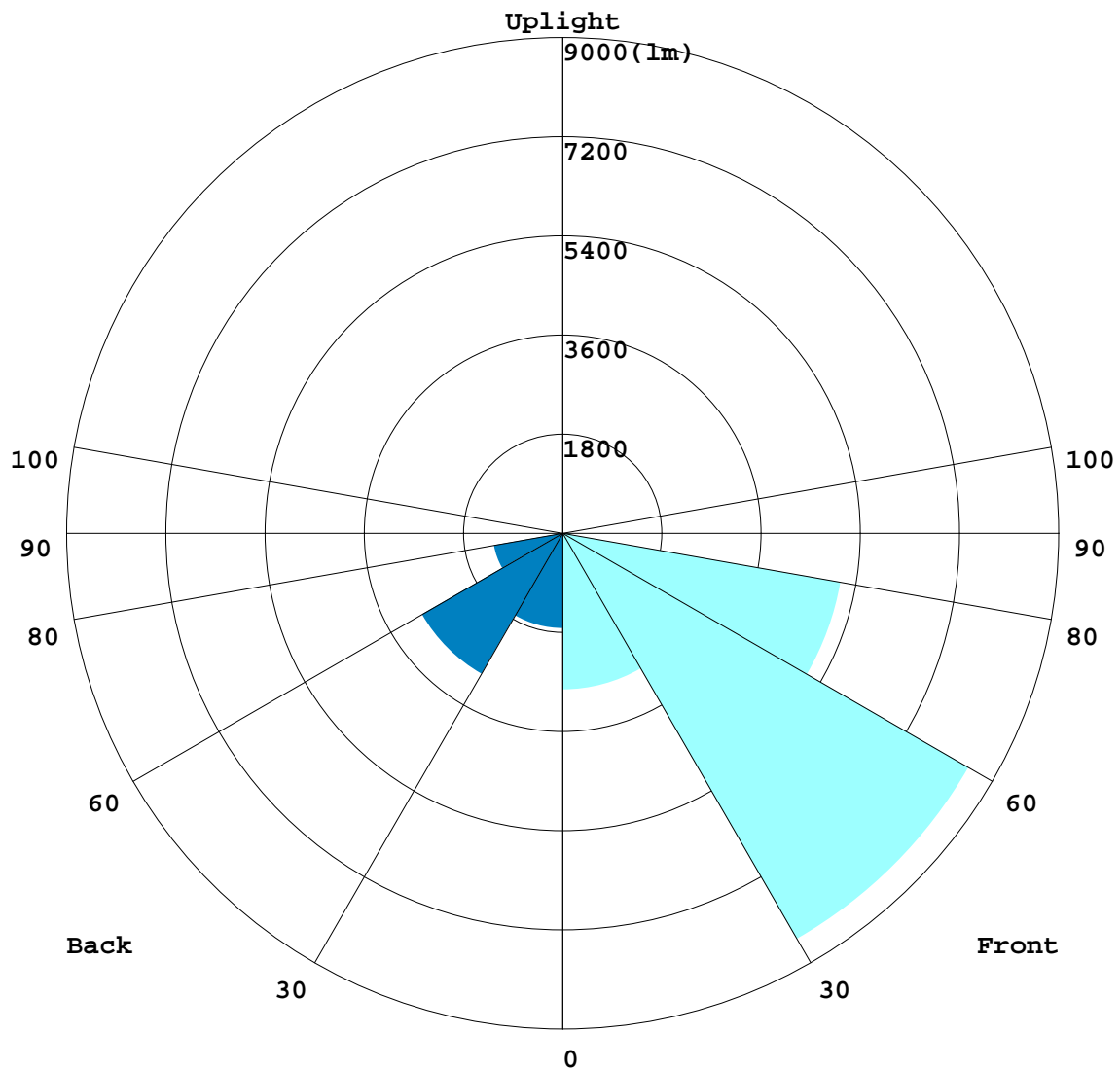
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-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:2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-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)	2836.2	12.5
FM - Front-Medium(30-60)	8505.1	37.5
FH - Front-High(60-80)	5120.9	22.6
FVH - Front-Very High(80-90)	155.22	0.7
Total Forward Light	16617	73.4

BL - Back-Low(0-30)	1723.7	7.6
BM - Back-Medium(30-60)	2947.2	13.0
BH - Back-High(60-80)	1266.4	5.6
BVH - Back-Very High(80-90)	99.917	0.4
Total Back Light	6037.2	26.6

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	6037.2	0	6037.2
Street Side	16617	0	16617

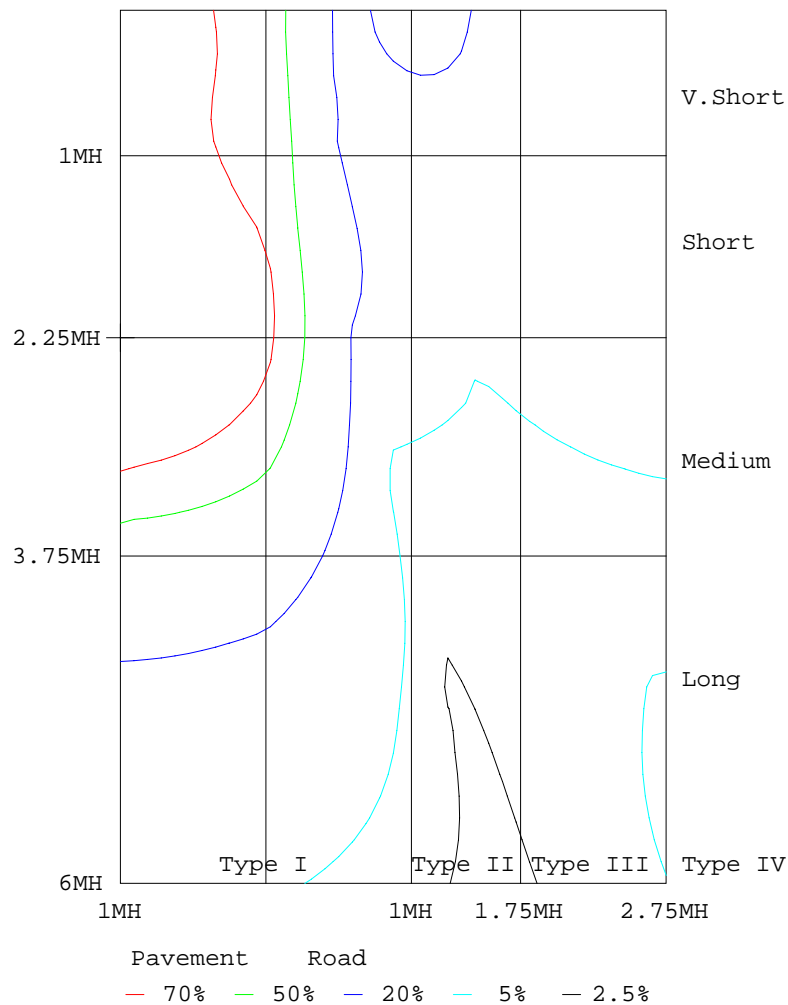
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-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: 2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594	594
5	596	608	617	624	628	630	630	630	628	624	617	608	596	584	571	558	549	541	540
10	599	620	634	645	652	657	656	657	652	645	634	620	599	573	543	512	488	470	466
15	602	631	649	664	674	681	680	681	674	664	649	631	602	561	509	457	417	388	381
20	604	639	662	682	695	703	702	703	695	682	662	639	604	547	472	396	333	288	279
25	605	646	673	697	713	725	726	725	713	697	673	646	605	531	430	320	237	195	188
30	606	651	682	711	733	745	744	745	733	711	682	651	606	514	382	237	169	162	165
35	608	657	691	724	746	749	742	749	746	724	691	657	608	496	321	170	152	184	197
40	611	665	702	738	749	749	745	749	749	738	702	665	611	474	250	134	170	210	225
45	619	679	718	749	759	764	762	764	759	749	718	679	619	450	185	129	180	223	239
50	635	705	742	767	780	777	768	777	780	767	742	705	635	416	133	130	182	219	232
55	665	751	782	800	797	762	735	762	797	800	782	751	665	369	93.6	122	168	191	197
60	712	827	849	842	771	665	595	665	771	842	849	827	712	309	75.4	110	143	151	152
65	744	920	960	861	602	349	234	349	602	861	960	920	744	225	64.1	94.5	121	115	109
70	640	890	1043	744	232	71.5	50.5	71.5	232	744	1043	890	640	99.2	52.3	95.5	93.3	84.3	78.9
75	316	446	779	442	60.5	40.0	38.9	40.0	60.5	442	779	446	316	31.0	39.8	68.7	67.9	59.5	54.7
80	73.0	97.6	185	135	29.3	41.3	43.7	41.3	29.3	135	185	97.6	73.0	20.0	57.7	35.9	39.5	34.9	33.2
85	12.1	15.2	30.8	26.2	21.7	16.0	13.8	16.0	21.7	26.2	30.8	15.2	12.1	8.39	36.2	13.4	15.3	14.2	14.2
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:2022-12-11

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:0.3163A P:146.7W PF:0.9685 Freq:60.01Hz Lamp Flux:22654.6x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T301-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: x10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	594	594	594	594	594														
5	541	549	558	571	584														
10	470	488	512	543	573														
15	388	417	457	509	561														
20	288	333	396	472	547														
25	195	237	320	430	531														
30	162	169	237	382	514														
35	184	152	170	321	496														
40	210	170	134	250	474														
45	223	180	129	185	450														
50	219	182	130	133	416														
55	191	168	122	93.6	369														
60	151	143	110	75.4	309														
65	115	121	94.5	64.1	225														
70	84.3	93.3	95.5	52.3	99.2														
75	59.5	67.9	68.7	39.8	31.0														
80	34.9	39.5	35.9	57.7	20.0														
85	14.2	15.3	13.4	36.2	8.39														
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:2022-12-11

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: