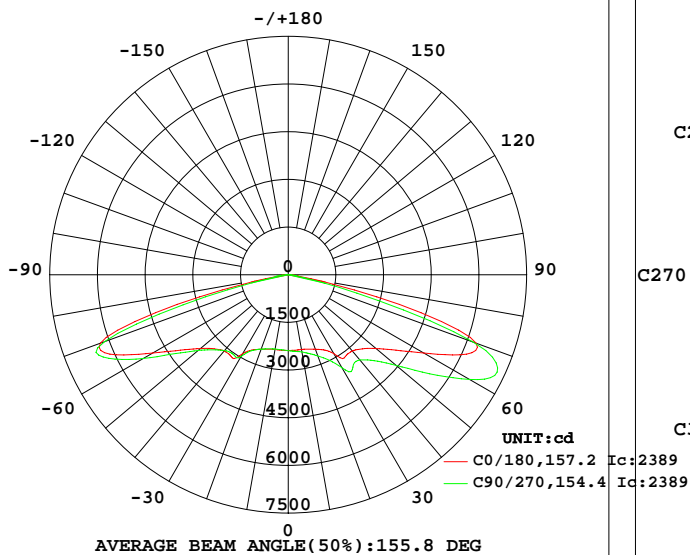
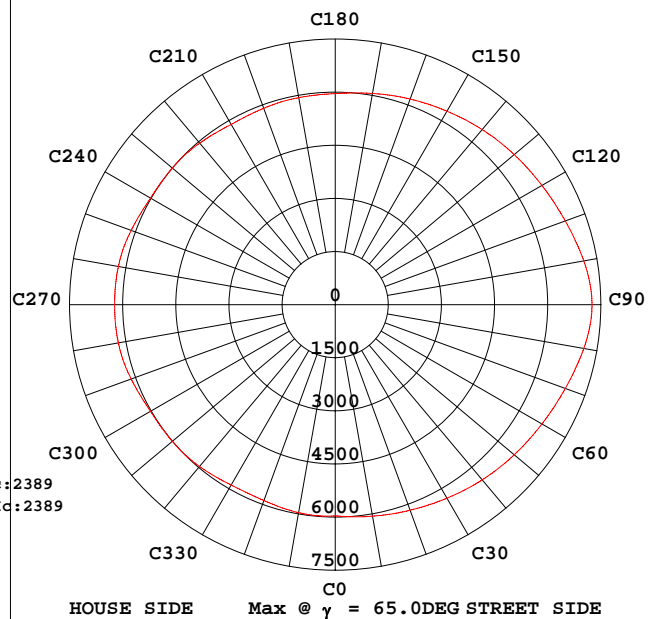


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.83 lm/W			
MODEL	2835	I _{max} (cd)	7251	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	51.7
RATED VOLTAGE(V)	480	TOTAL FLUX(lm)	21547	η house_up(%)	0.0
NOMINAL FLUX(lm)	21546.9	MAXIMUM @(C,γ)	90,65.0	η house_down(%)	48.3
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	480	η down(%)	100.0	SLI	20.625

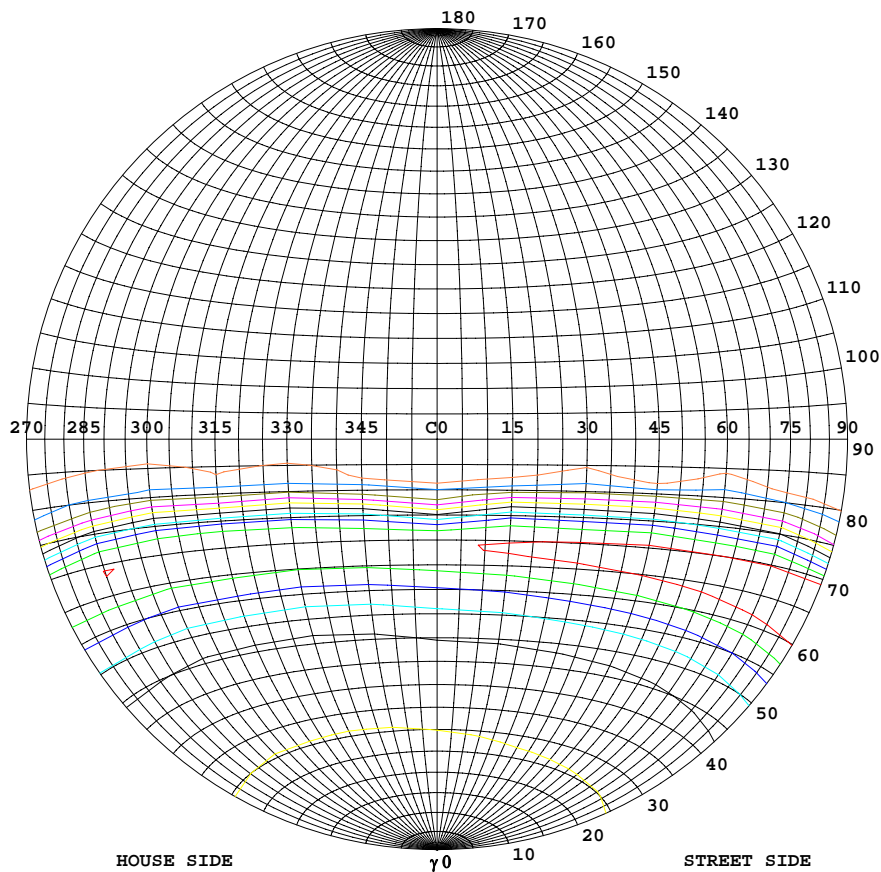
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



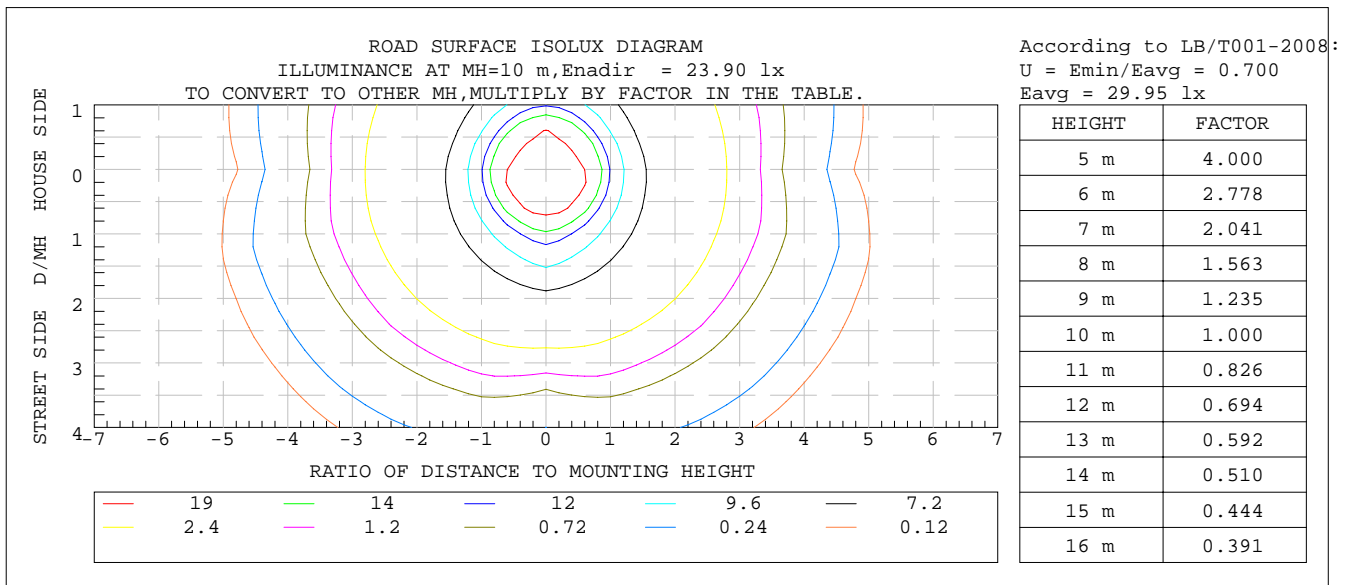
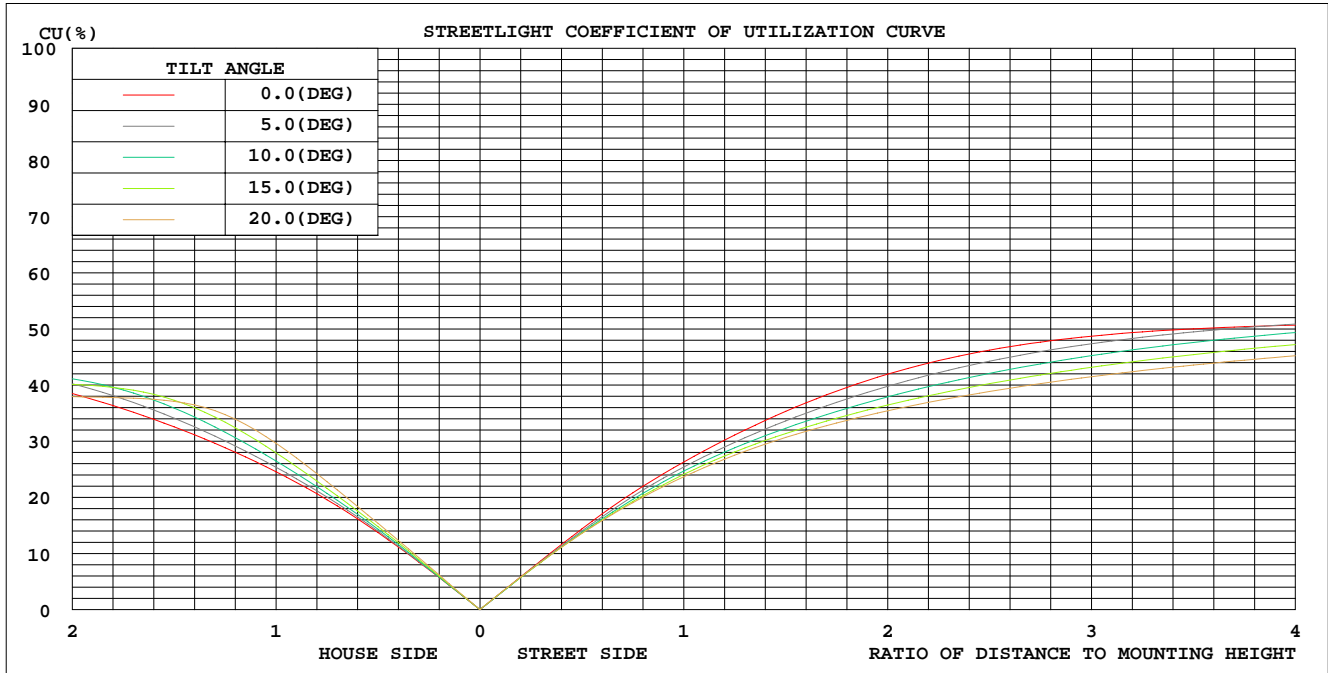
Classification:

IES:Type V - Very Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:64.04cd/klm
Max.At90:0cd/klm
Max.80-90:64.04cd/klm
NRB 5101:Semi limited[19.1%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7251
90%	6526
80%	5801
70%	5076
60%	4351
50%	3626
40%	2900
30%	2175
20%	1450
10%	725
5%	363

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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

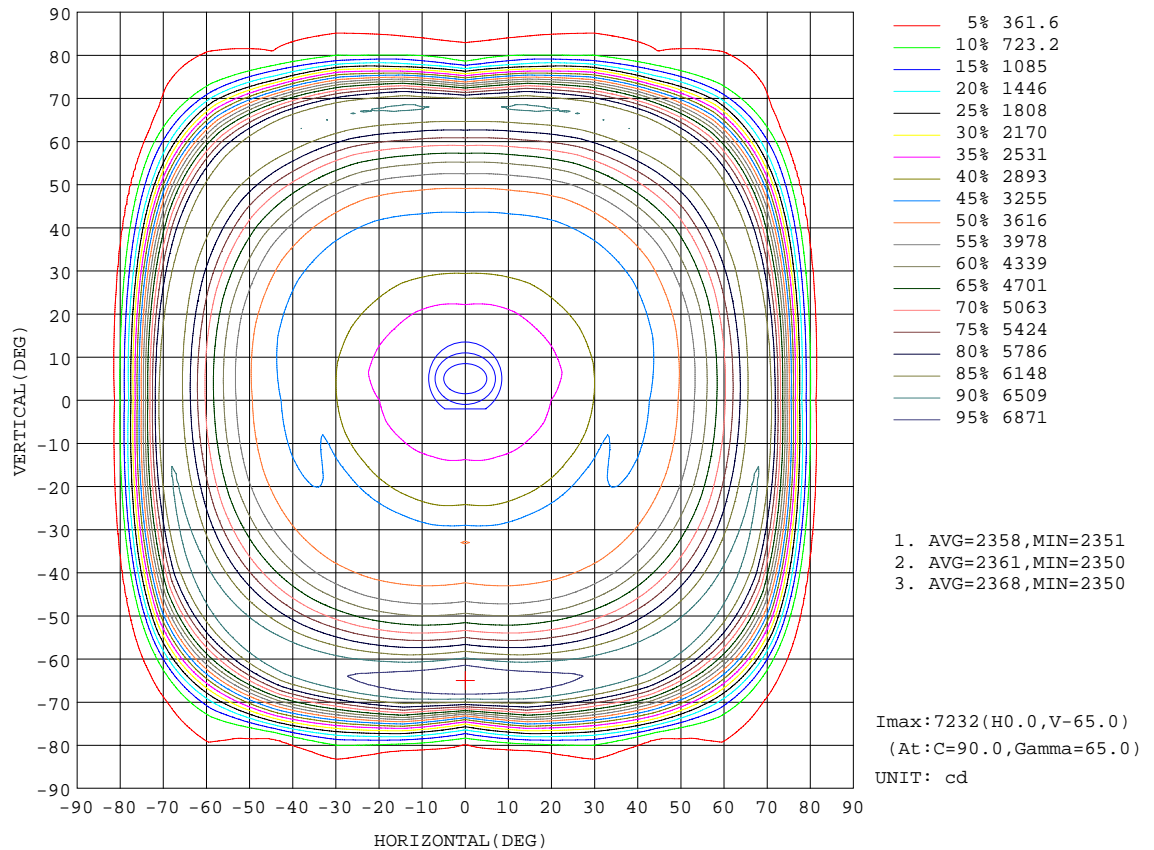
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2389	2434	2468	2434	2389	2369	2375	2369	0- 10	228.4	228.4	1.06,1.06
20	2494	2607	2721	2607	2494	2473	2491	2473	10- 20	699.0	927.5	4.3,4.3
30	2871	3167	3376	3167	2871	2871	2964	2871	20- 30	1267	2194	10.2,10.2
40	3134	3305	3502	3305	3134	3045	3117	3045	30- 40	1993	4188	19.4,19.4
50	3613	3877	4443	3877	3613	3532	3710	3532	40- 50	2649	6837	31.7,31.7
60	4930	5559	6587	5559	4930	4931	5272	4931	50- 60	3996	10833	50.3,50.3
70	6285	6597	6178	6597	6285	6546	6142	6546	60- 70	6116	16950	78.7,78.7
80	726.7	1144	343.8	1144	726.7	1226	450.6	1226	70- 80	4243	21193	98.4,98.4
90	0	0	0	0	0	0	0	0	80- 90	353.9	21547	100,100
100	0	0	0	0	0	0	0	0	90-100	0	21547	100,100
110	0	0	0	0	0	0	0	0	100-110	0	21547	100,100
120	0	0	0	0	0	0	0	0	110-120	0	21547	100,100
130	0	0	0	0	0	0	0	0	120-130	0	21547	100,100
140	0	0	0	0	0	0	0	0	130-140	0	21547	100,100
150	0	0	0	0	0	0	0	0	140-150	0	21547	100,100
160	0	0	0	0	0	0	0	0	150-160	0	21547	100,100
170	0	0	0	0	0	0	0	0	160-170	0	21547	100,100
180	0	0	0	0	0	0	0	0	170-180	0	21547	100,100
DEG	LUMINOUS INTENSITY:cd									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

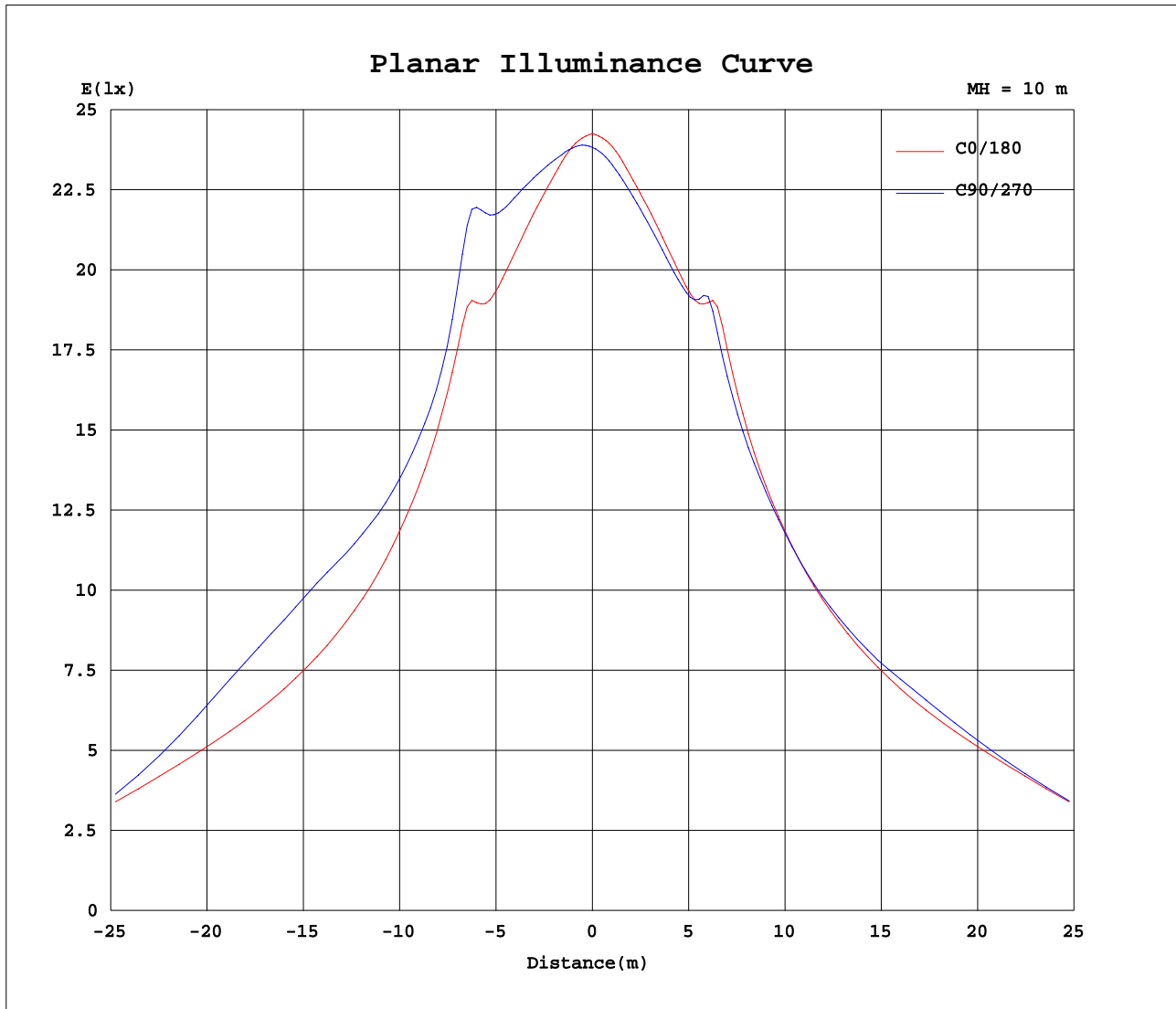
Test:U:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



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



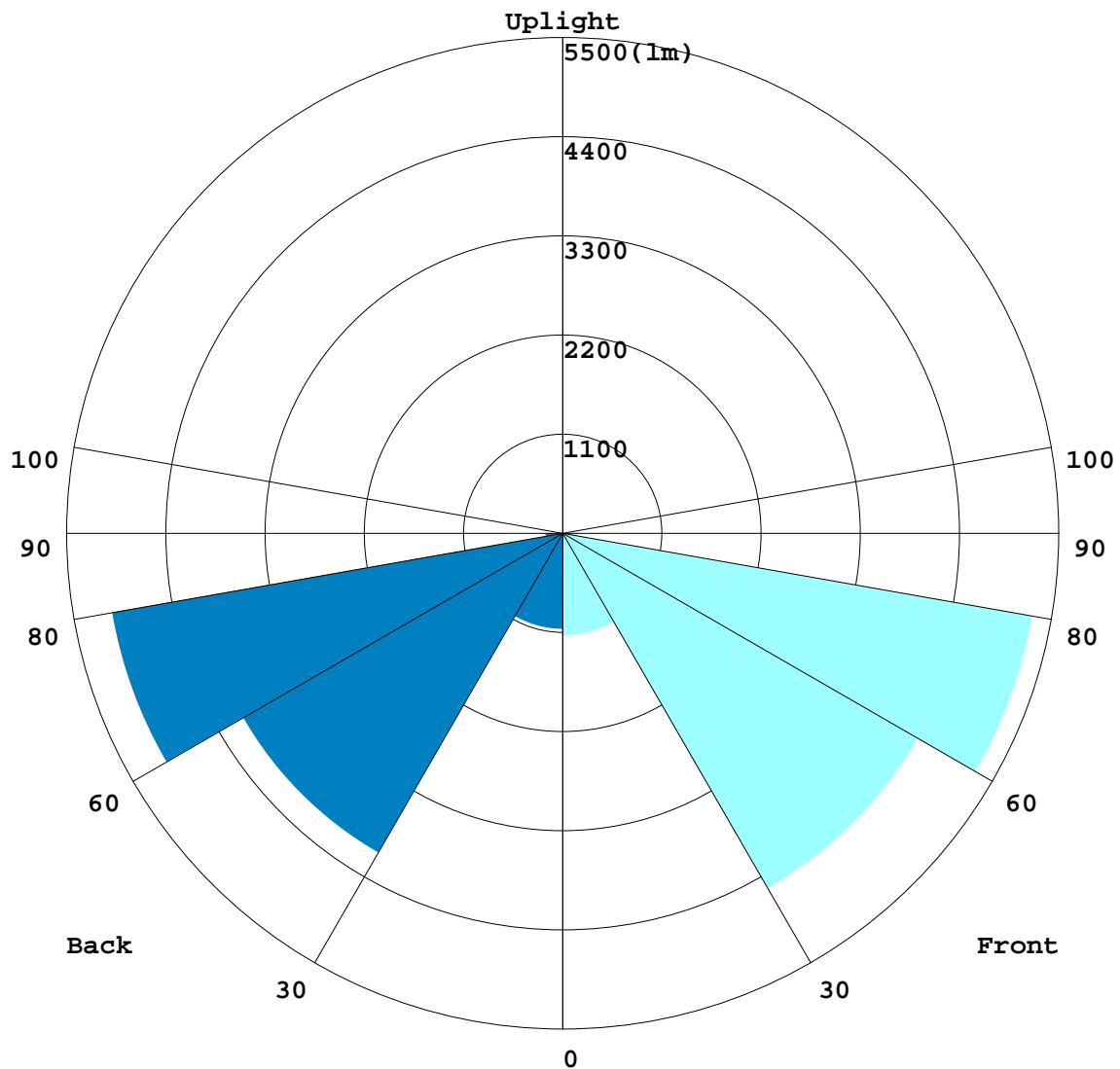
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-12-11

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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-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)	1132.6	5.3
FM - Front-Medium(30-60)	4548.4	21.1
FH - Front-High(60-80)	5286	24.5
FVH - Front-Very High(80-90)	164.04	0.8
Total Forward Light	11131	51.7

BL - Back-Low(0-30)	1061.8	4.9
BM - Back-Medium(30-60)	4090.3	19.0
BH - Back-High(60-80)	5074	23.5
BVH - Back-Very High(80-90)	189.82	0.9
Total Back Light	10416	48.3

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	B5-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10416	0	10416
Street Side	11131	0	11131

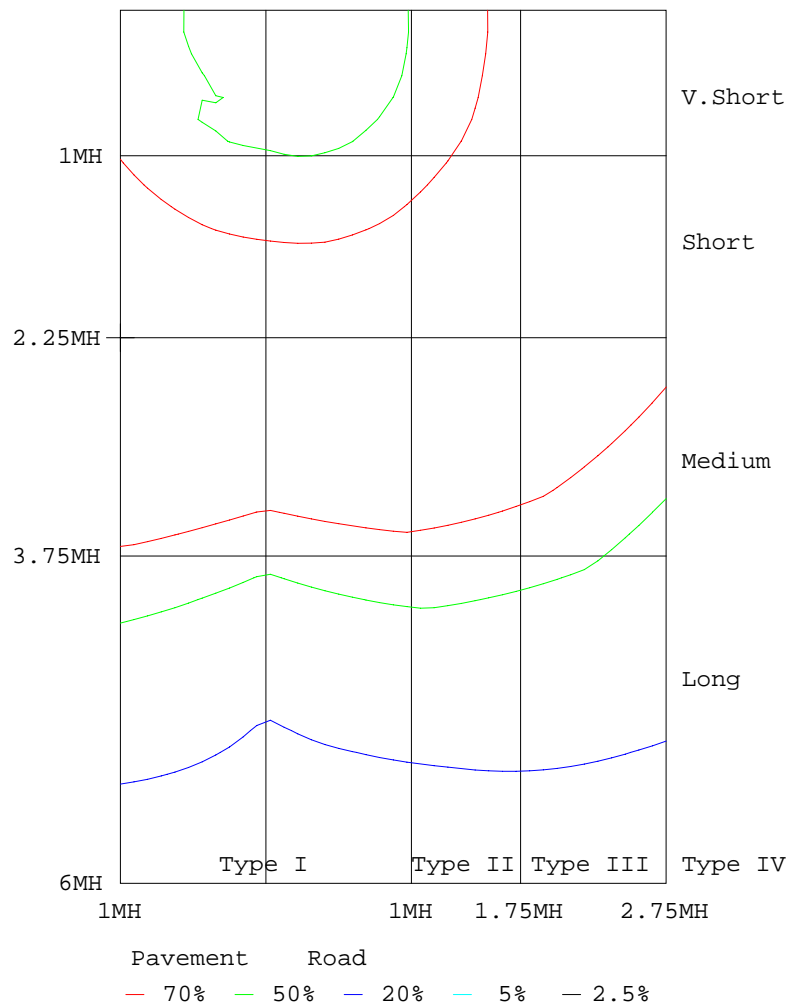
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-12-11

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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--1

UNIT: cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
γ (°)	0	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389
5	2385	2390	2398	2403	2410	2414	2418	2414	2410	2403	2398	2390	2385	2381	2375	2372	2370	2371	2373
10	2389	2403	2420	2434	2448	2458	2468	2458	2448	2434	2420	2403	2389	2382	2374	2369	2367	2371	2375
15	2423	2445	2473	2497	2526	2546	2567	2546	2526	2497	2473	2445	2423	2413	2400	2399	2396	2405	2414
20	2494	2524	2567	2607	2652	2686	2721	2686	2652	2607	2567	2524	2494	2484	2471	2473	2467	2479	2491
25	2609	2656	2733	2795	2852	2890	2946	2890	2852	2795	2733	2656	2609	2603	2598	2608	2597	2607	2625
30	2871	2969	3101	3167	3241	3281	3376	3281	3241	3167	3101	2969	2871	2849	2843	2871	2870	2918	2964
35	3139	3218	3285	3363	3424	3511	3548	3511	3424	3363	3285	3218	3139	3110	3044	3015	3001	3015	3042
40	3134	3188	3245	3305	3350	3427	3502	3427	3350	3305	3245	3188	3134	3105	3059	3045	3046	3086	3117
45	3299	3338	3403	3474	3567	3688	3823	3688	3567	3474	3403	3338	3299	3267	3215	3214	3240	3312	3342
50	3613	3668	3767	3877	4015	4209	4443	4209	4015	3877	3767	3668	3613	3571	3509	3532	3562	3671	3710
55	4140	4234	4406	4573	4803	5082	5436	5082	4803	4573	4406	4234	4140	4084	4021	4072	4110	4272	4323
60	4930	5080	5328	5559	5847	6167	6587	6167	5847	5559	5328	5080	4930	4873	4824	4931	4975	5198	5272
65	5962	6120	6309	6528	6739	7015	7251	7015	6739	6528	6309	6120	5962	5928	5880	5995	6022	6190	6228
70	6285	6425	6513	6597	6522	6497	6178	6497	6522	6597	6513	6425	6285	6351	6464	6546	6523	6463	6142
75	3617	4759	4620	4565	4127	3674	2237	3674	4127	4565	4620	4759	3617	4605	4912	4768	4637	3976	2701
80	727	1127	1300	1144	1144	731	344	731	1144	1144	1300	1127	727	1151	1380	1226	1189	870	451
85	232	274	344	231	297	209	172	209	297	231	344	274	232	289	398	311	434	346	247
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:478.8V I:0.3164A P:146.7W PF:0.9686 Freq:60.01Hz Lamp Flux:21546.9x1 lm		
NAME: AoK PLA	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AoK-150WPLA-HVS-L2-00-5070-T501-P	DIM.: 585*270*56mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2389	2389	2389	2389	2389														
5	2371	2370	2372	2375	2381														
10	2371	2367	2369	2374	2382														
15	2405	2396	2399	2400	2413														
20	2479	2467	2473	2471	2484														
25	2607	2597	2608	2598	2603														
30	2918	2870	2871	2843	2849														
35	3015	3001	3015	3044	3110														
40	3086	3046	3045	3059	3105														
45	3312	3240	3214	3215	3267														
50	3671	3562	3532	3509	3571														
55	4272	4110	4072	4021	4084														
60	5198	4975	4931	4824	4873														
65	6190	6022	5995	5880	5928														
70	6463	6523	6546	6464	6351														
75	3976	4637	4768	4912	4605														
80	870	1189	1226	1380	1151														
85	346	434	311	398	289														
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: