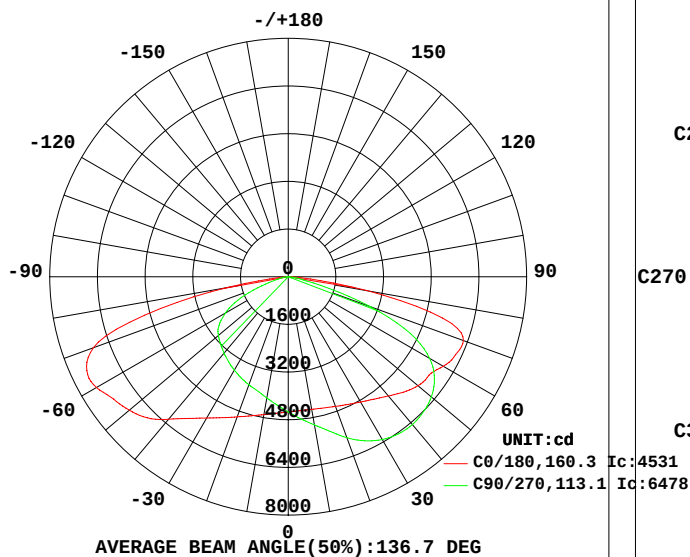
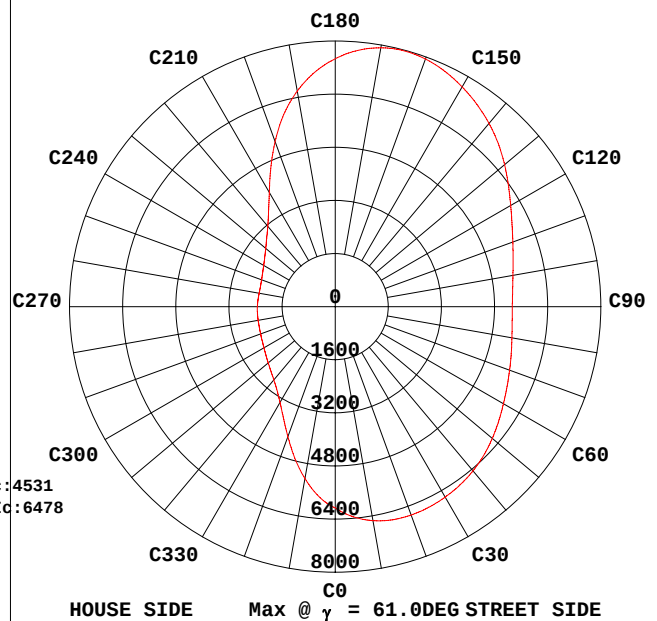


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.48 lm/W			
MODEL	3030	I _{max} (cd)	7981	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	62.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	23385	η house_up(%)	0.0
NOMINAL FLUX(lm)	23385.2	MAXIMUM @(C,γ)	165,61.0	η house_down(%)	37.6
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.821

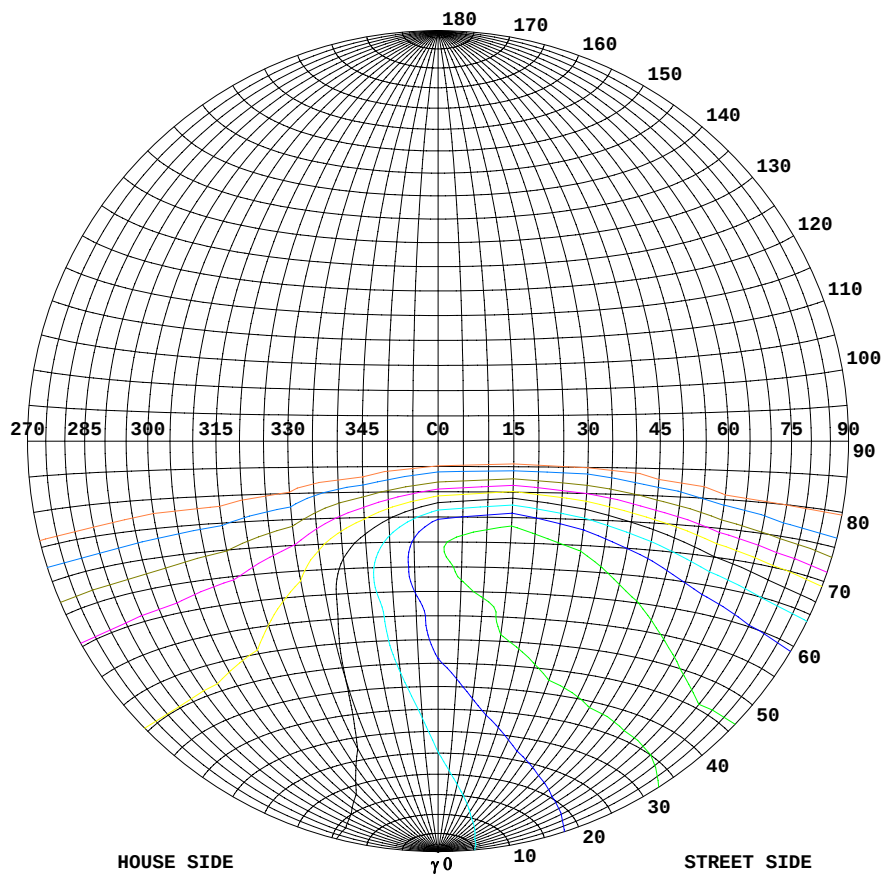
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



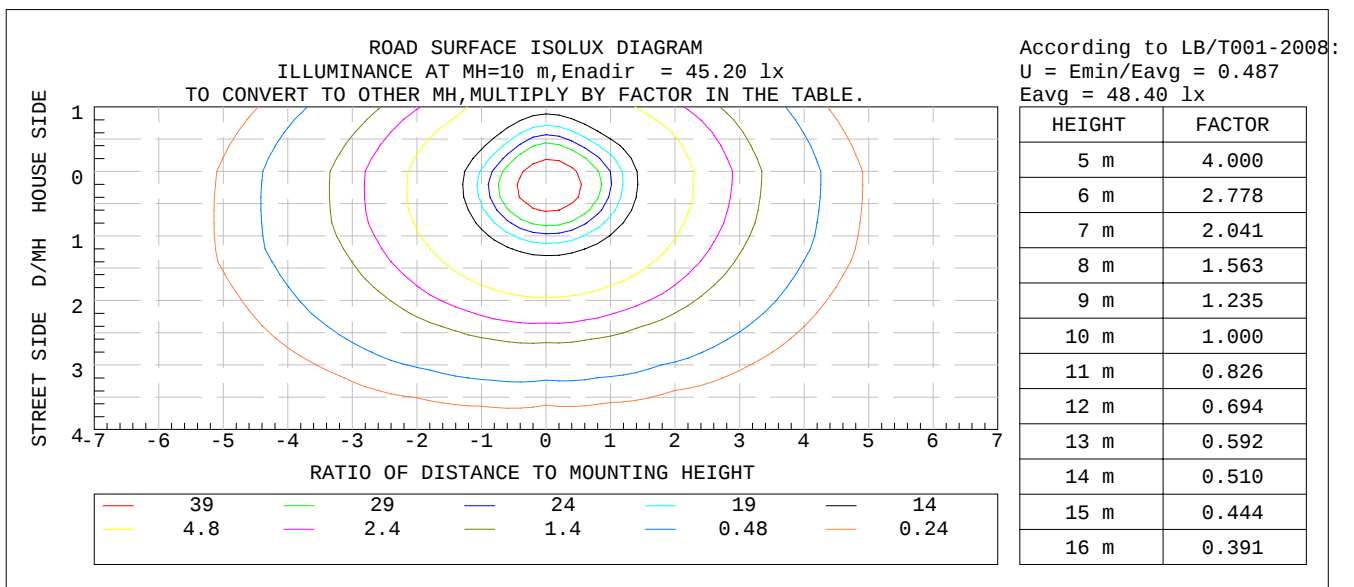
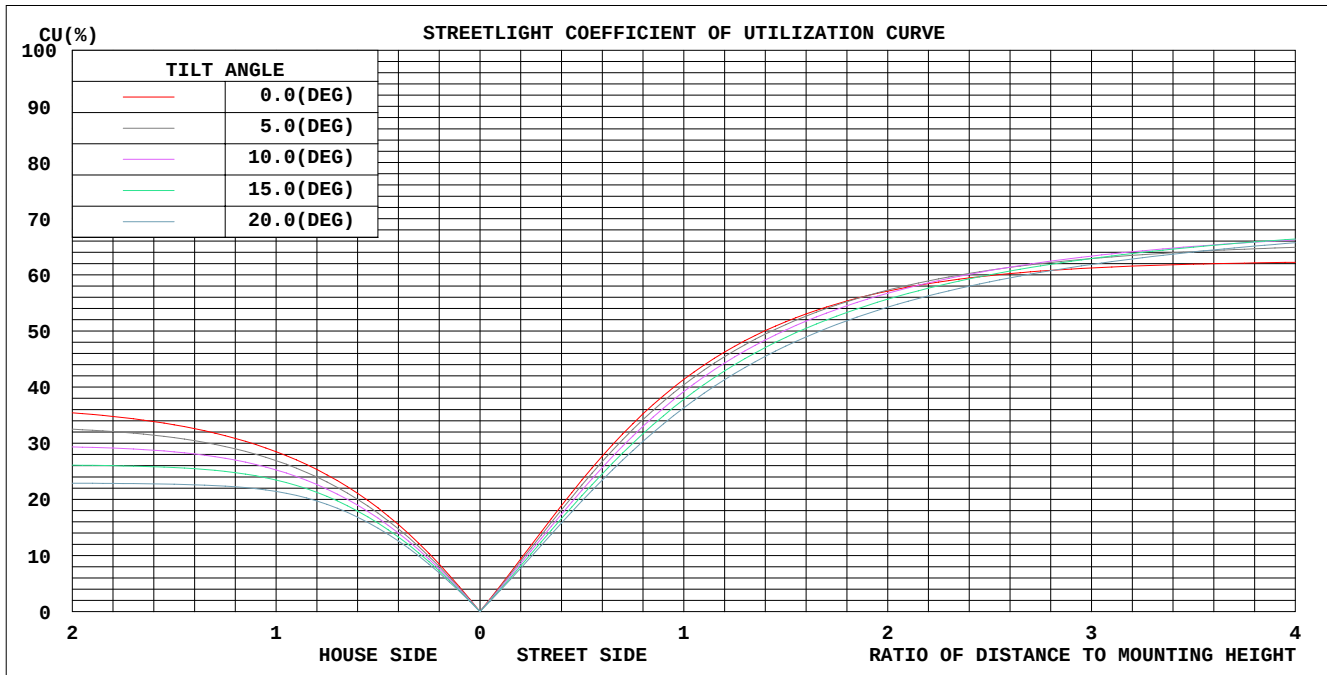
Classification:

IES:Type III - Short
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:138.5cd/klm
 Max.At90:0cd/klm
 Max.80-90:138.5cd/klm
 NRB 5101:Semi limited[23.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7981
90%	7183
80%	6385
70%	5587
60%	4789
50%	3991
40%	3193
30%	2394
20%	1596
10%	798
5%	399

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_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: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	HEIGHT:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

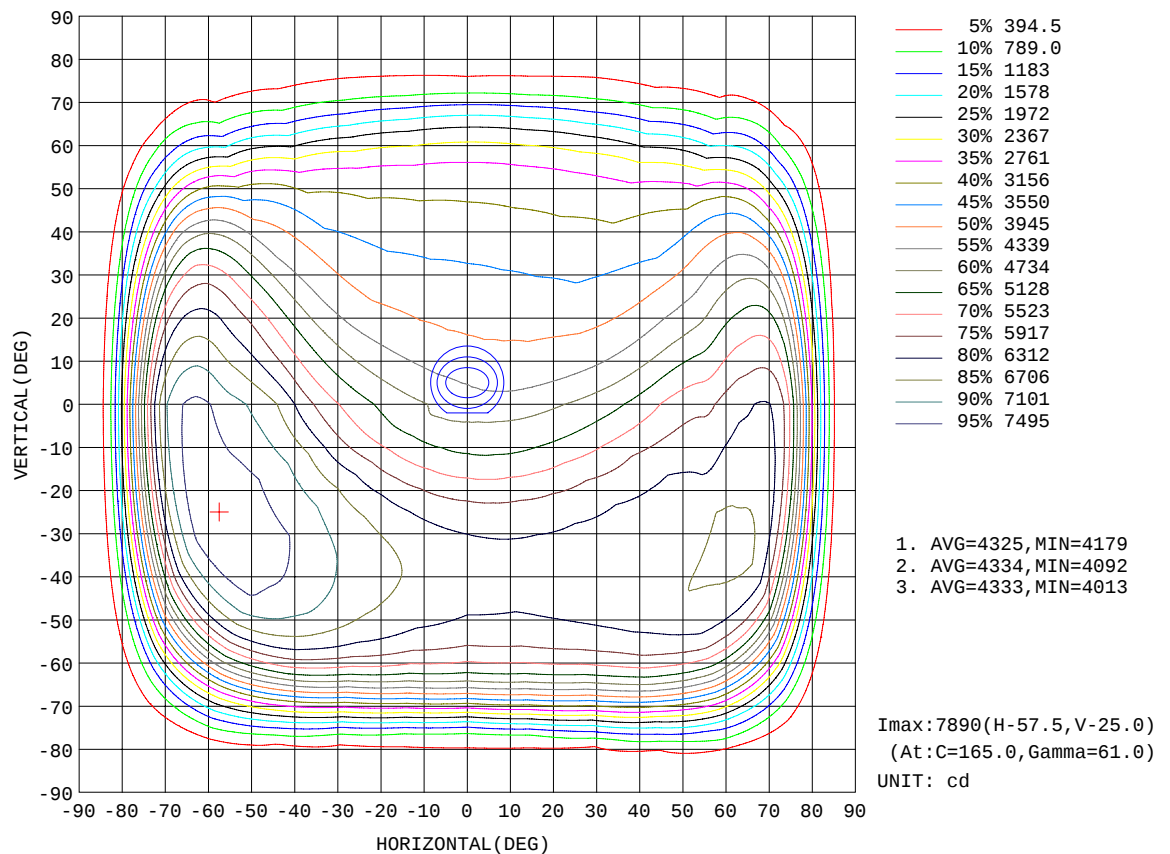
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	4519	4854	5046	5007	4699	4318	4133	4219	0- 10	436.2	436.2	1.87,1.87
20	4633	5356	5747	5665	5005	4141	3859	3978	10- 20	1331	1768	7.56,7.56
30	4856	5986	6307	6463	5475	3966	3621	3745	20- 30	2286	4054	17.3,17.3
40	5224	6390	6477	7003	6241	3795	3351	3508	30- 40	3245	7299	31.2,31.2
50	5688	6515	6270	7234	6965	3557	3061	3241	40- 50	4101	11400	48.7,48.7
60	6011	6375	5480	7027	7432	3016	2440	2814	50- 60	4673	16073	68.7,68.7
70	6253	5214	2924	5096	6957	1498	1094	1577	60- 70	4503	20576	88.88
80	2679	1306	371.4	965.2	2054	264.2	206.1	281.3	70- 80	2517	23093	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	292.3	23385	100,100
100	0	0	0	0	0	0	0	0	90-100	0	23385	100,100
110	0	0	0	0	0	0	0	0	100-110	0	23385	100,100
120	0	0	0	0	0	0	0	0	110-120	0	23385	100,100
130	0	0	0	0	0	0	0	0	120-130	0	23385	100,100
140	0	0	0	0	0	0	0	0	130-140	0	23385	100,100
150	0	0	0	0	0	0	0	0	140-150	0	23385	100,100
160	0	0	0	0	0	0	0	0	150-160	0	23385	100,100
170	0	0	0	0	0	0	0	0	160-170	0	23385	100,100
180	0	0	0	0	0	0	0	0	170-180	0	23385	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:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

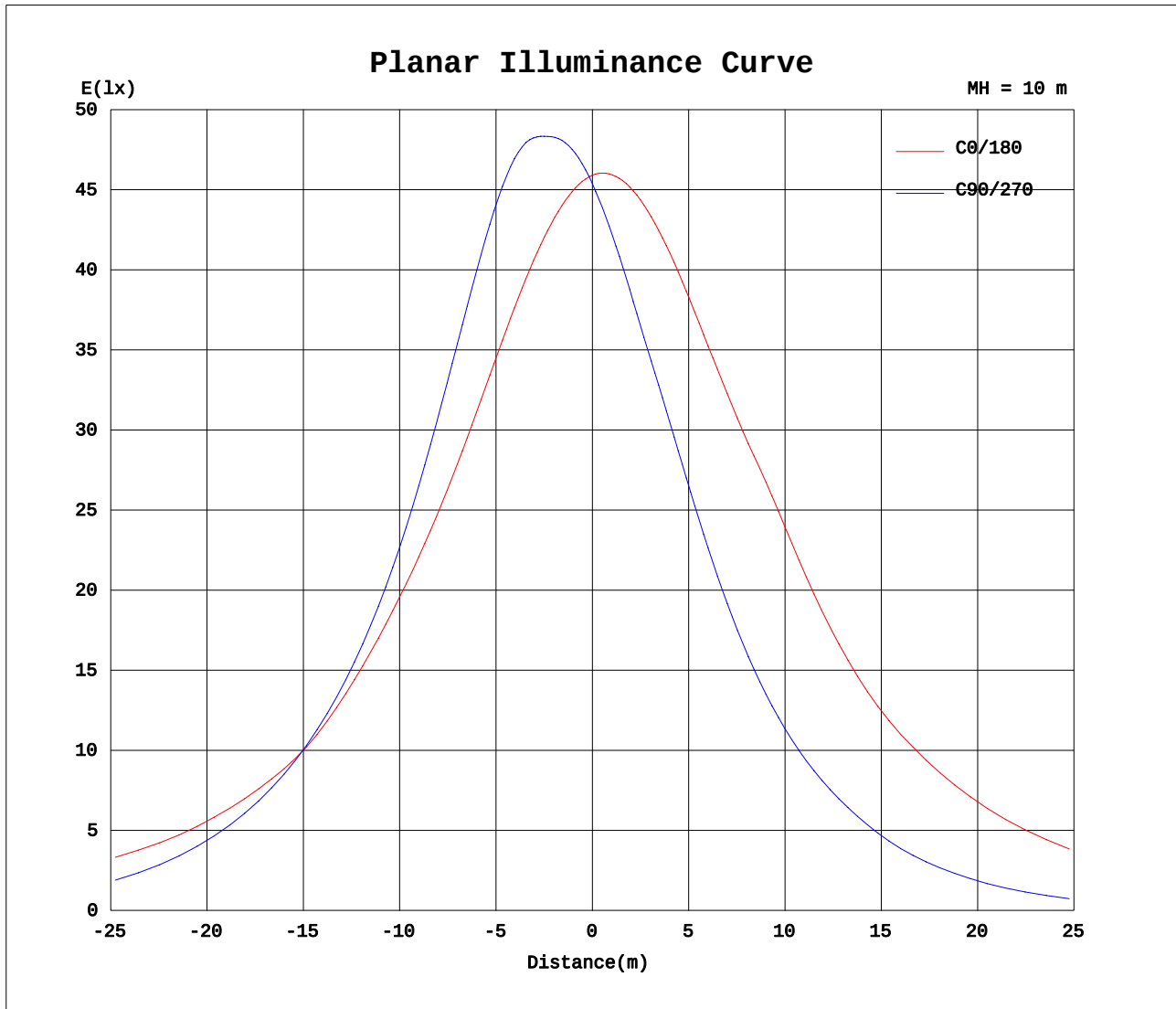
Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



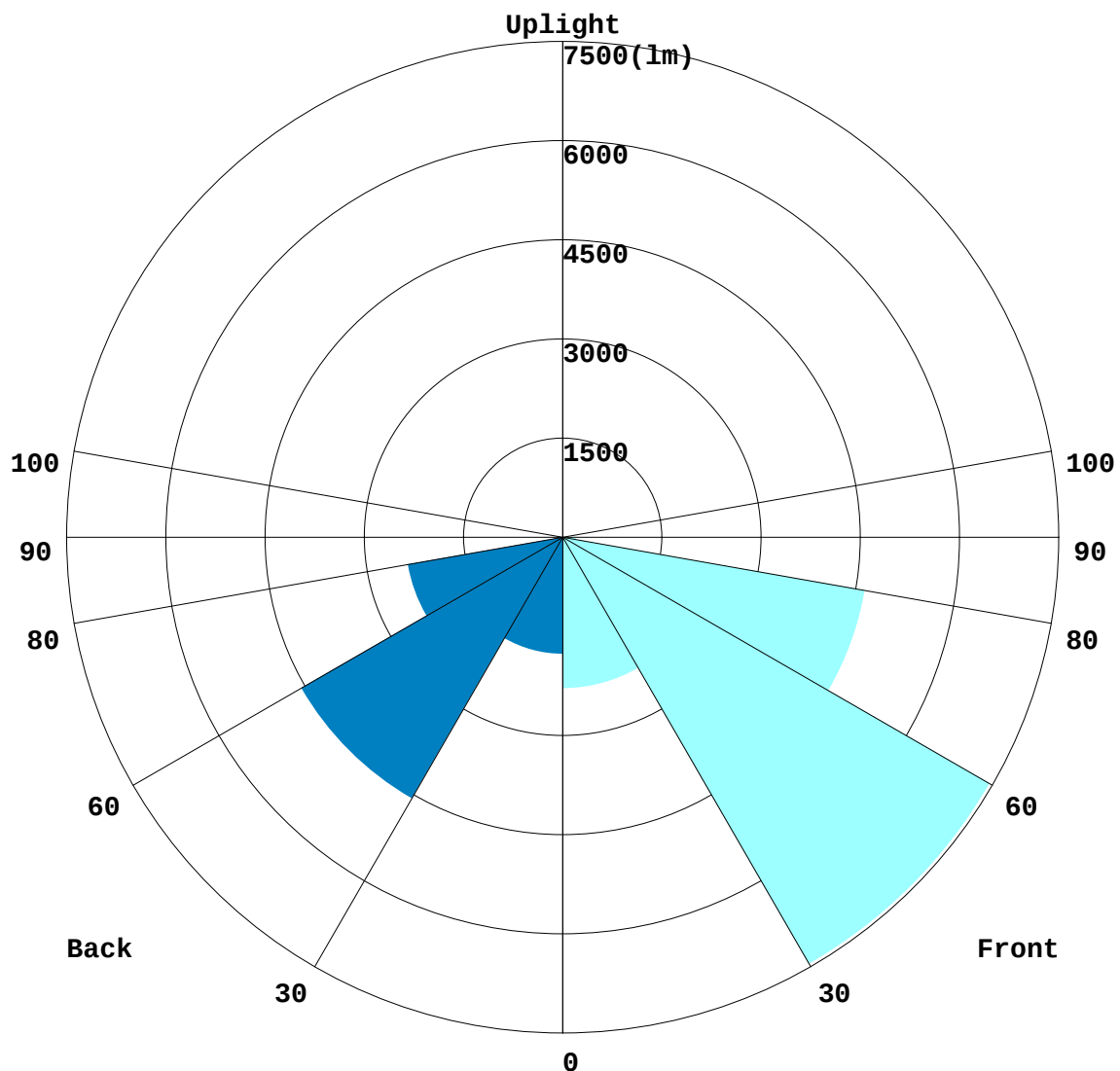
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WILA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2287.1	9.8
FM - Front-Medium(30-60)	7456.3	31.9
FH - Front-High(60-80)	4641.9	19.8
FVH - Front-Very High(80-90)	207.83	0.9
Total Forward Light	14593	62.4

BL - Back-Low(0-30)	1767.1	7.6
BM - Back-Medium(30-60)	4562.5	19.5
BH - Back-High(60-80)	2378	10.2
BVH - Back-Very High(80-90)	84.483	0.4
Total Back Light	8792.1	37.6

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	8792.1	0	8792.1
Street Side	14593	0	14593

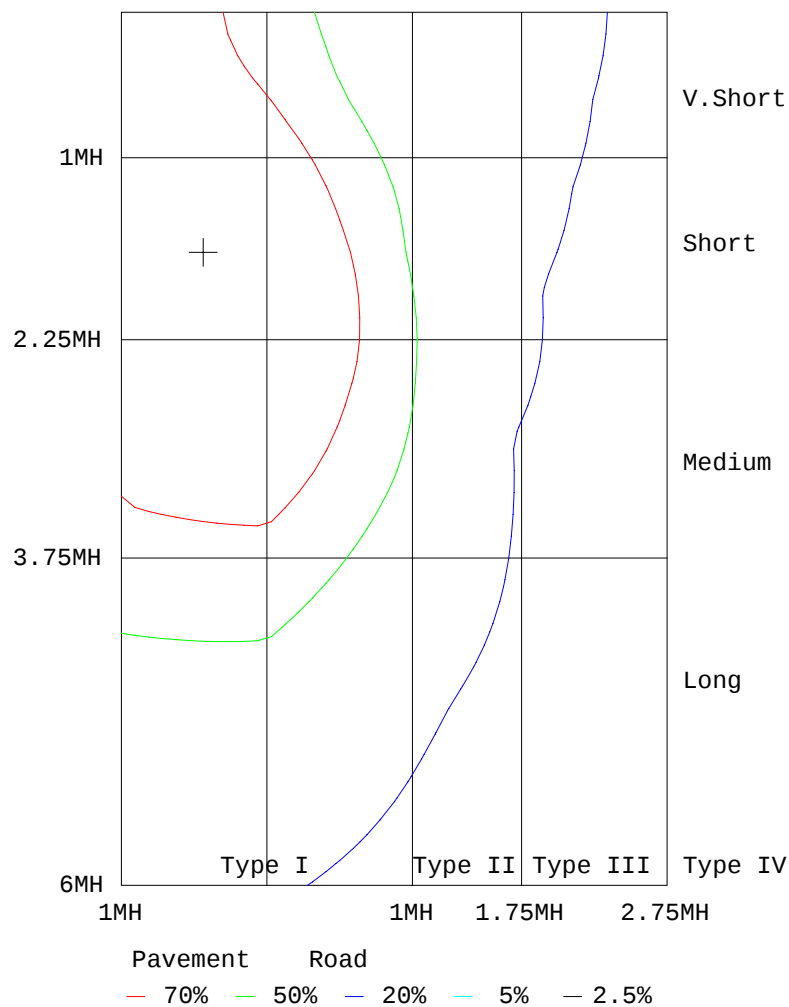
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-150W iLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity: 65.0%
 Test Distance: 7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539	4539
5	4512	4570	4631	4683	4728	4761	4782	4788	4778	4753	4713	4661	4599	4537	4474	4419	4373	4339	4322
10	4519	4636	4754	4854	4942	5005	5046	5064	5051	5007	4934	4826	4699	4566	4433	4318	4228	4165	4133
15	4561	4741	4923	5069	5201	5299	5364	5387	5369	5303	5199	5036	4832	4620	4409	4229	4093	4009	3972
20	4633	4889	5136	5356	5546	5668	5747	5777	5758	5665	5518	5298	5005	4694	4392	4141	3975	3896	3859
25	4729	5076	5425	5693	5878	5996	6074	6128	6142	6083	5912	5612	5217	4789	4376	4052	3873	3785	3744
30	4856	5316	5734	5986	6140	6233	6307	6389	6449	6463	6344	5984	5475	4918	4361	3966	3764	3666	3621
35	5015	5593	6012	6224	6321	6381	6440	6552	6670	6772	6742	6455	5805	5088	4360	3885	3649	3536	3488
40	5224	5885	6239	6390	6424	6437	6477	6620	6807	7003	7087	6937	6241	5303	4372	3795	3522	3397	3351
45	5477	6125	6409	6479	6439	6395	6413	6584	6843	7150	7367	7280	6694	5544	4387	3692	3378	3252	3210
50	5688	6294	6522	6515	6389	6281	6270	6464	6799	7234	7578	7552	6965	5775	4364	3557	3213	3090	3061
55	5764	6399	6602	6494	6263	6054	5990	6204	6636	7231	7716	7773	7157	5922	4275	3349	2992	2860	2838
60	6011	6608	6596	6375	5945	5615	5480	5696	6226	7027	7668	7969	7432	6007	4043	3016	2598	2433	2440
65	6192	6758	6606	6041	5287	4769	4533	4734	5359	6410	7319	7814	7453	5791	3549	2393	1994	1846	1871
70	6253	6736	6199	5214	4002	3286	2924	3174	3829	5096	6246	7049	6957	4959	2541	1498	1204	1091	1094
75	5364	5882	4867	3456	2105	1455	1148	1338	1867	2993	4229	5144	4988	3150	1207	674	563	506	481
80	2679	3239	2378	1306	503	395	371	378	440	965	1708	2220	2054	1073	358	264	256	212	206
85	417	500	373	166	117	83.8	82.6	81.6	100	113	186	287	283	120	68.6	53.6	63.4	54.0	56.4
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:2022-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.6989A P:149.4W PF:0.9745 Freq:60.01Hz Lamp Flux:23385.2x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T3-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345													
0	4539	4539	4539	4539	4539													
5	4321	4334	4363	4402	4455													
10	4134	4161	4219	4299	4403													
15	3972	4009	4095	4217	4379													
20	3860	3888	3978	4147	4372													
25	3743	3775	3862	4069	4376													
30	3619	3651	3745	3987	4390													
35	3489	3522	3629	3907	4419													
40	3350	3388	3508	3830	4468													
45	3212	3248	3380	3752	4535													
50	3064	3096	3241	3662	4596													
55	2858	2908	3062	3540	4621													
60	2462	2569	2814	3371	4704													
65	1905	2050	2328	3080	4695													
70	1139	1284	1577	2432	4323													
75	515	594	739	1308	3131													
80	212	271	281	421	1255													
85	55.6	68.9	58.1	74.3	144													
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:2022-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: