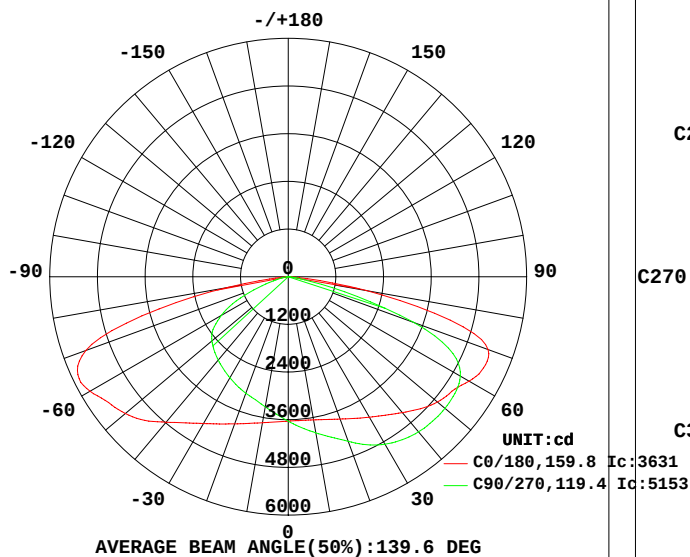
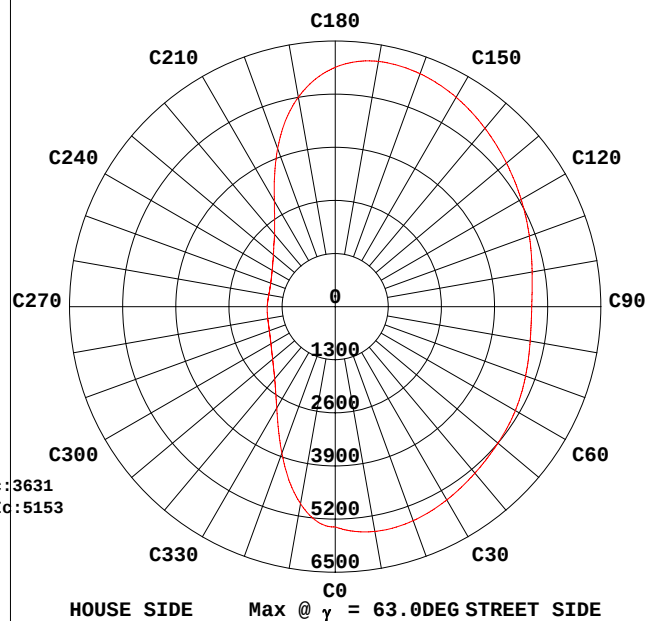


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.48 lm/W			
MODEL	3030	I _{max} (cd)	6100	η street_up(%)	0.0
NOMINAL POWER(W)	120	LOR(%)	100.0	η street_down(%)	63.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	19256	η house_up(%)	0.0
NOMINAL FLUX(lm)	19256.3	MAXIMUM @(C,γ)	165,63.0	η house_down(%)	36.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.564

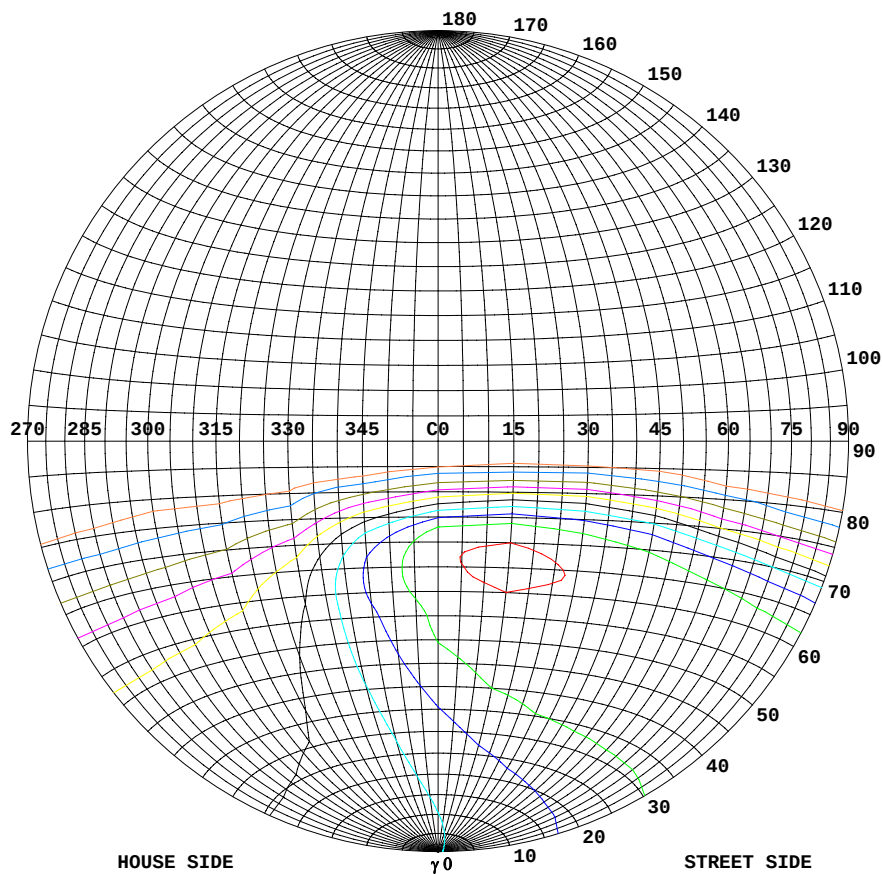
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



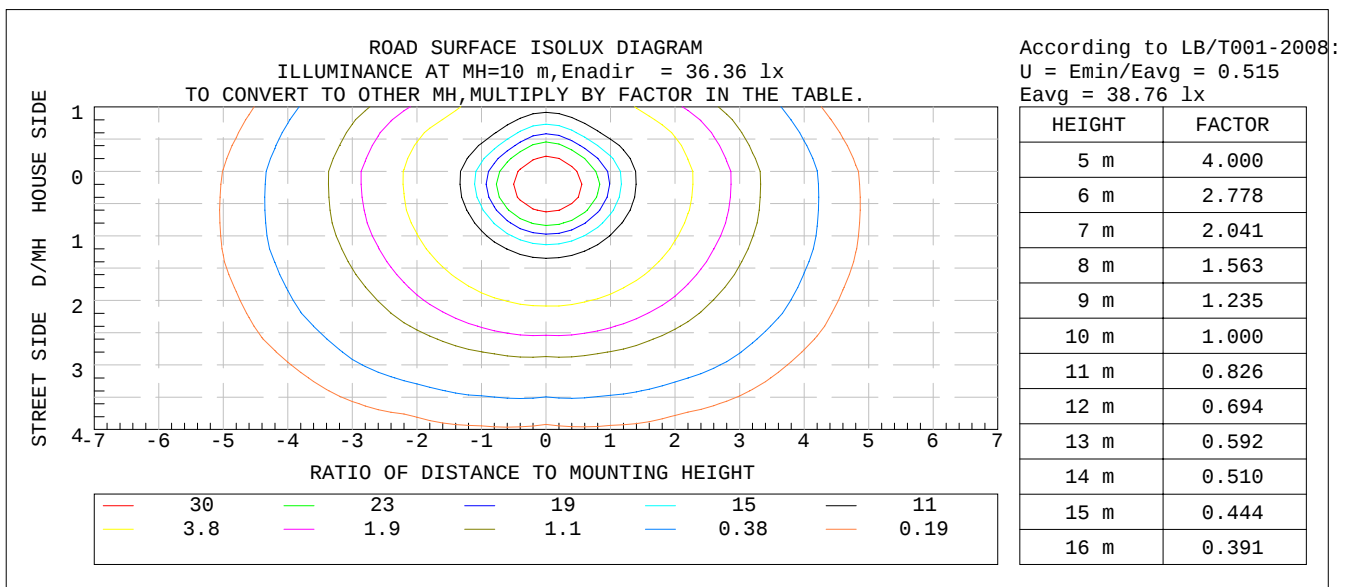
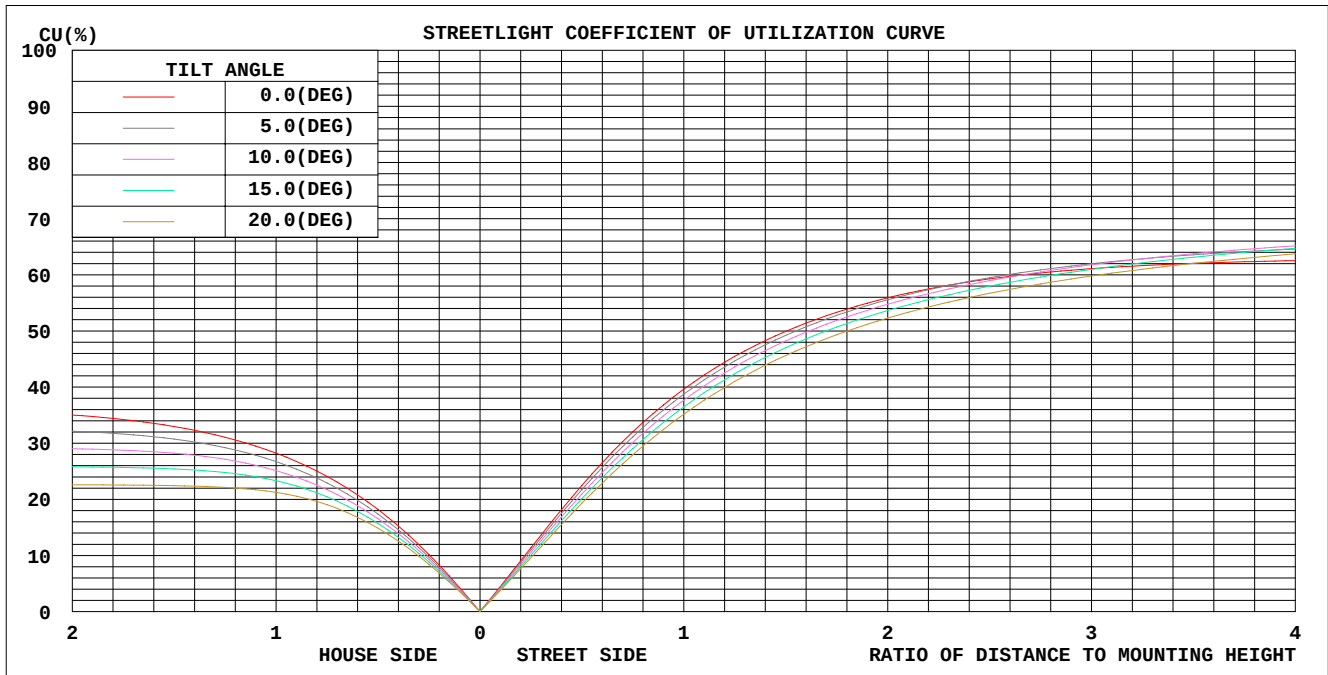
Classification:

IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:121.4cd/klm
 Max.At90:0cd/klm
 Max.80-90:121.4cd/klm
 NRB 5101:Semi limited[21.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6100
90%	5490
80%	4880
70%	4270
60%	3660
50%	3050
40%	2440
30%	1830
20%	1220
10%	610
5%	305

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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	HEIGHT:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

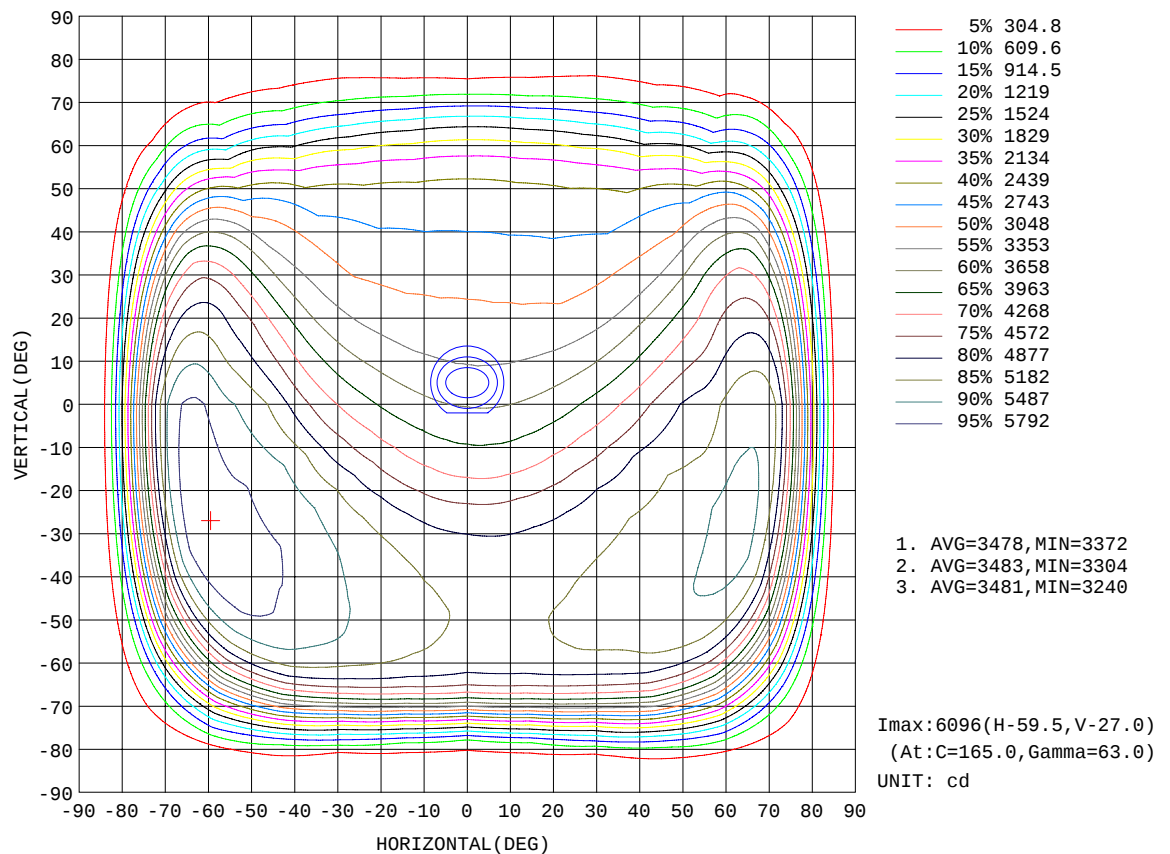
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3659	3888	3987	3947	3730	3456	3327	3410	0- 10	348.9	348.9	1.81,1.81
20	3813	4249	4407	4371	3938	3311	3120	3235	10- 20	1060	1409	7.32,7.32
30	4083	4734	4867	4933	4265	3170	2937	3071	20- 30	1811	3220	16.7,16.7
40	4466	5084	5099	5370	4779	3032	2741	2912	30- 40	2578	5798	30.1,30.1
50	4904	5239	5151	5584	5355	2851	2508	2731	40- 50	3285	9083	47.2,47.2
60	5257	5291	5000	5657	5760	2403	1940	2354	50- 60	3815	12898	67,67
70	5352	4825	3355	4919	5421	1151	812.4	1236	60- 70	3853	16751	87,87
80	1984	1473	321.3	1280	1538	200.9	143.0	231.8	70- 80	2255	19006	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	249.9	19256	100,100
100	0	0	0	0	0	0	0	0	90-100	0	19256	100,100
110	0	0	0	0	0	0	0	0	100-110	0	19256	100,100
120	0	0	0	0	0	0	0	0	110-120	0	19256	100,100
130	0	0	0	0	0	0	0	0	120-130	0	19256	100,100
140	0	0	0	0	0	0	0	0	130-140	0	19256	100,100
150	0	0	0	0	0	0	0	0	140-150	0	19256	100,100
160	0	0	0	0	0	0	0	0	150-160	0	19256	100,100
170	0	0	0	0	0	0	0	0	160-170	0	19256	100,100
180	0	0	0	0	0	0	0	0	170-180	0	19256	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

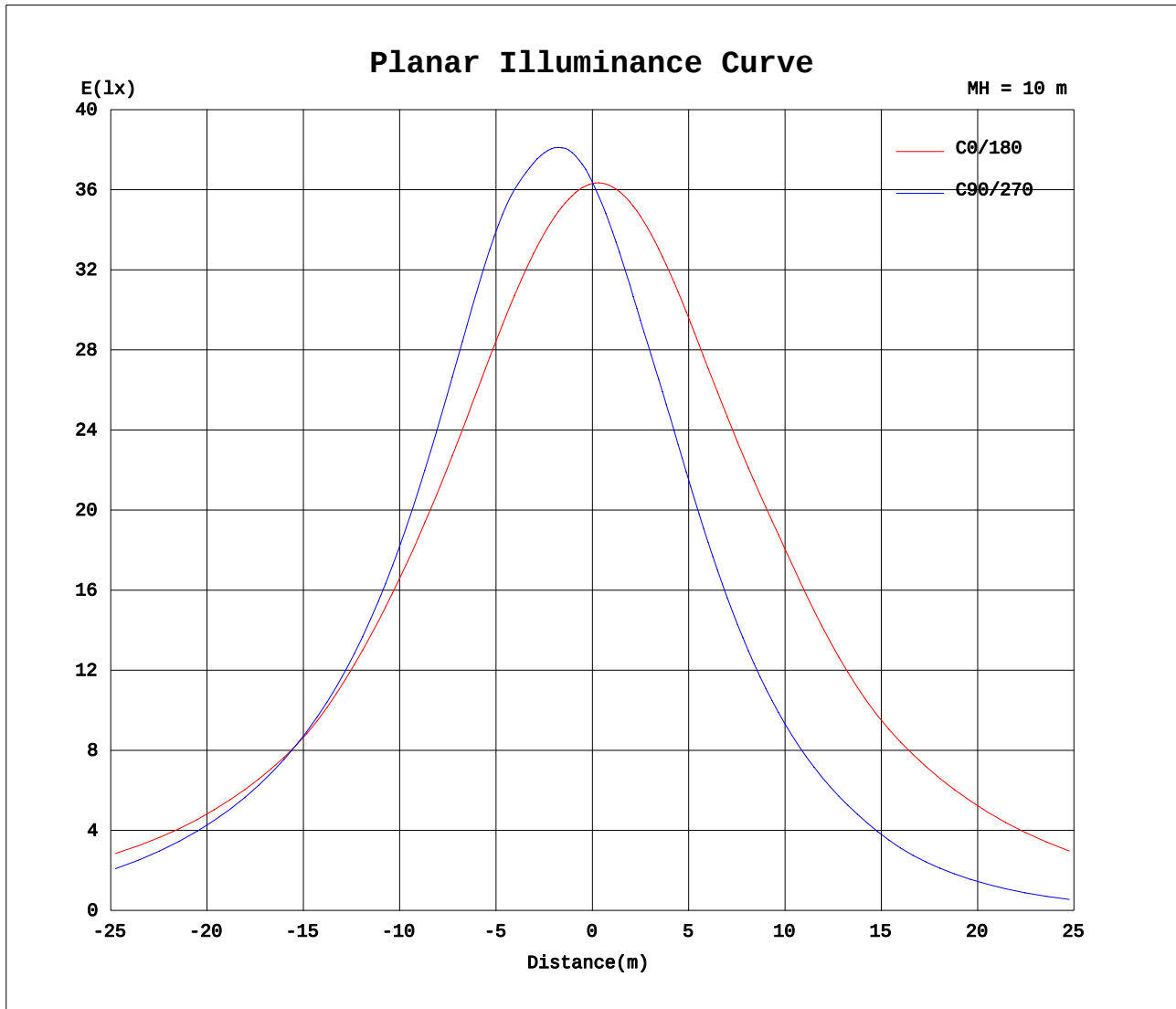
Test:U:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



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



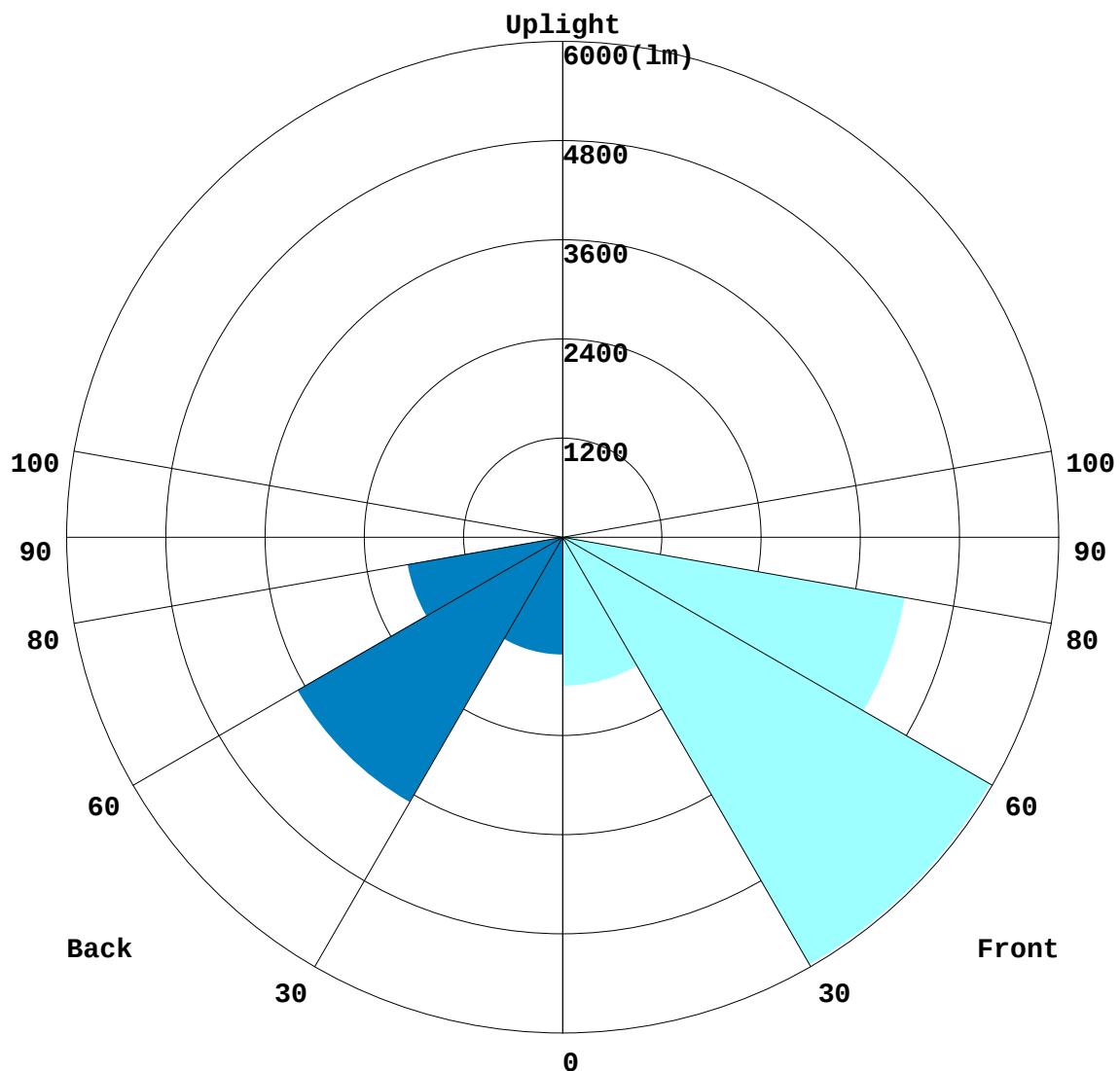
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-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)	1798.6	9.3
FM - Front-Medium(30-60)	5974.3	31.0
FH - Front-High(60-80)	4204	21.8
FVH - Front-Very High(80-90)	187.81	1.0
Total Forward Light	12165	63.2

BL - Back-Low(0-30)	1421.6	7.4
BM - Back-Medium(30-60)	3703.8	19.2
BH - Back-High(60-80)	1904.2	9.9
BVH - Back-Very High(80-90)	62.106	0.3
Total Back Light	7091.7	36.8

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	7091.7	0	7091.7
Street Side	12165	0	12165

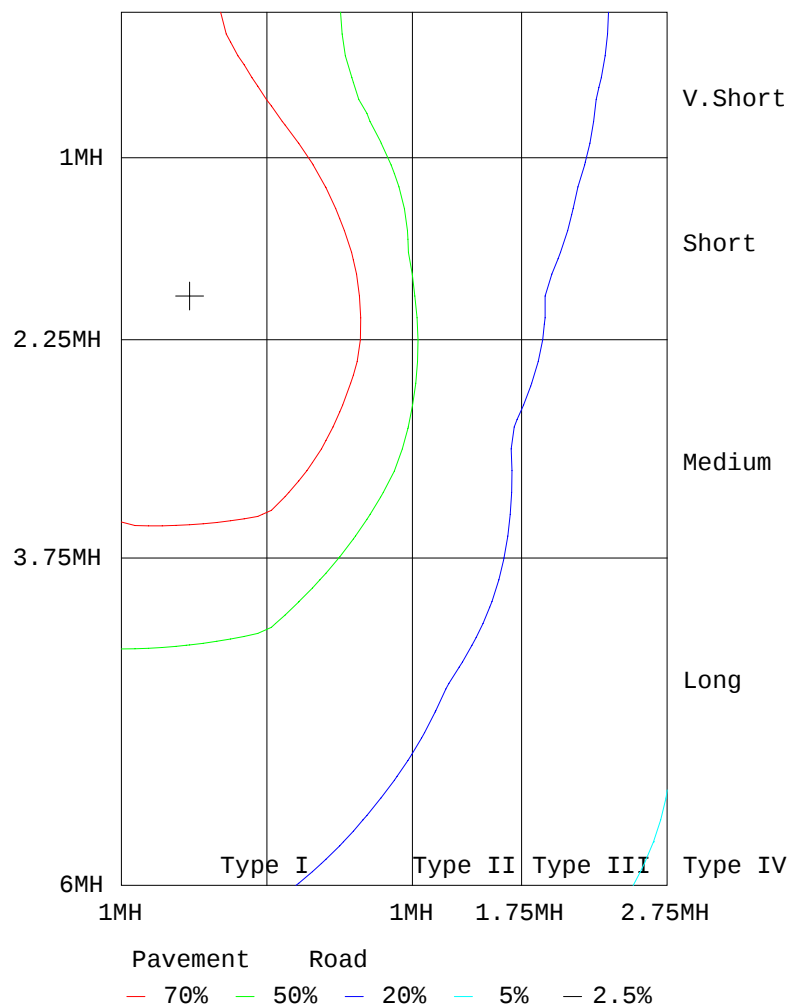
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	WEIGHT:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-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	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635	3635
5	3630	3674	3717	3752	3779	3799	3809	3811	3801	3780	3752	3713	3668	3622	3577	3537	3505	3483	3472
10	3659	3747	3827	3888	3935	3968	3987	3992	3980	3947	3897	3822	3730	3635	3538	3456	3390	3347	3327
15	3720	3856	3970	4051	4112	4152	4180	4189	4181	4142	4075	3963	3821	3667	3512	3384	3286	3228	3204
20	3813	3999	4147	4249	4326	4374	4407	4417	4409	4371	4291	4142	3938	3715	3494	3311	3196	3143	3120
25	3933	4179	4364	4493	4580	4629	4665	4682	4683	4643	4544	4357	4088	3777	3472	3241	3114	3056	3033
30	4083	4394	4618	4734	4797	4831	4867	4900	4935	4933	4837	4602	4265	3858	3449	3170	3028	2962	2937
35	4255	4625	4856	4937	4962	4978	5005	5057	5128	5181	5144	4896	4492	3976	3441	3102	2938	2867	2840
40	4466	4882	5050	5084	5079	5078	5099	5161	5260	5370	5402	5267	4779	4131	3444	3032	2846	2765	2741
45	4698	5085	5185	5179	5149	5126	5139	5209	5340	5497	5601	5520	5110	4323	3454	2956	2738	2653	2633
50	4904	5214	5266	5239	5182	5147	5151	5231	5387	5584	5735	5688	5355	4514	3434	2851	2609	2520	2508
55	5024	5306	5336	5280	5212	5132	5119	5228	5422	5647	5843	5837	5519	4673	3374	2685	2424	2321	2311
60	5257	5492	5374	5291	5184	5051	5000	5149	5380	5657	5889	6034	5760	4772	3191	2403	2085	1935	1940
65	5422	5618	5457	5210	4956	4706	4575	4757	5091	5500	5846	6060	5838	4599	2766	1865	1561	1435	1445
70	5352	5492	5205	4825	4219	3667	3355	3662	4233	4919	5341	5650	5421	3887	1950	1151	921	813	812
75	4220	4547	4210	3607	2462	1787	1472	1766	2385	3406	4001	4166	3811	2351	882	517	443	371	324
80	1984	2338	2182	1473	807	403	321	396	749	1280	1757	1768	1538	676	280	201	193	147	143
85	287	418	349	235	108	73.1	64.5	69.0	87.8	122	203	248	157	84.5	42.8	35.7	41.8	36.6	39.4
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:219.3V I:0.5682A P:120.0W PF:0.9628 Freq:60.01Hz Lamp Flux:19256.3x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-120WiLA-NV-L3-00-4070-T4-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	3635	3635	3635	3635	3635													
5	3474	3487	3511	3544	3586													
10	3331	3359	3410	3480	3566													
15	3209	3245	3321	3430	3569													
20	3124	3152	3235	3387	3593													
25	3037	3068	3152	3345	3631													
30	2944	2978	3071	3303	3682													
35	2848	2884	2992	3261	3756													
40	2749	2790	2912	3235	3849													
45	2640	2687	2832	3213	3964													
50	2514	2564	2731	3173	4077													
55	2329	2400	2584	3115	4192													
60	1961	2103	2354	2999	4354													
65	1471	1613	1912	2722	4364													
70	837	980	1236	2084	3999													
75	380	464	580	1048	2804													
80	153	216	232	337	1098													
85	38.9	51.7	42.8	56.3	112													
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: