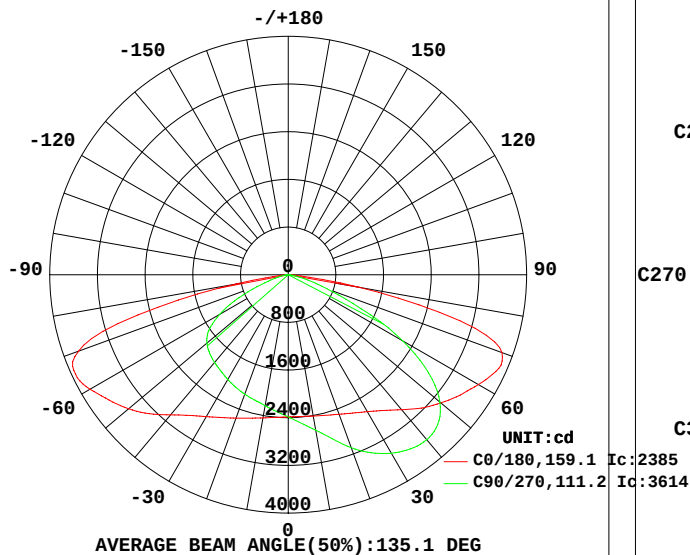
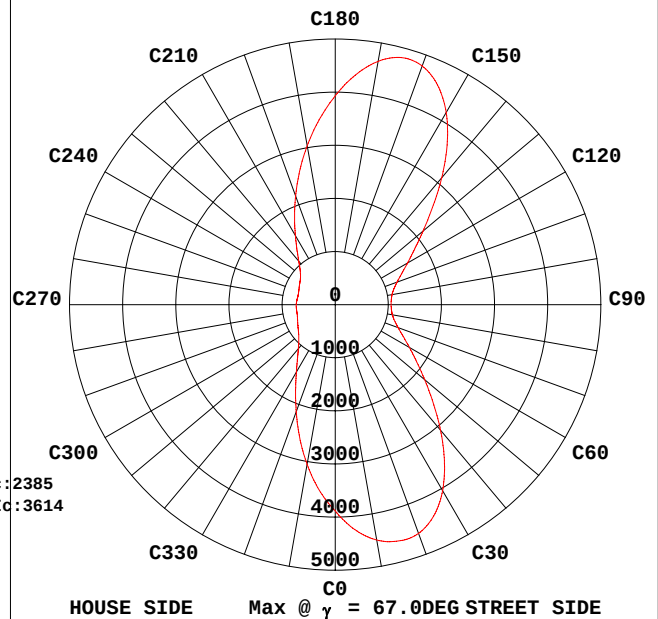


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.70 lm/W			
MODEL	3030	I _{max} (cd)	4817	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	62.4
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12336	η house_up(%)	0.0
NOMINAL FLUX(lm)	12335.5	MAXIMUM @(C,γ)	165,67.0	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	21.806

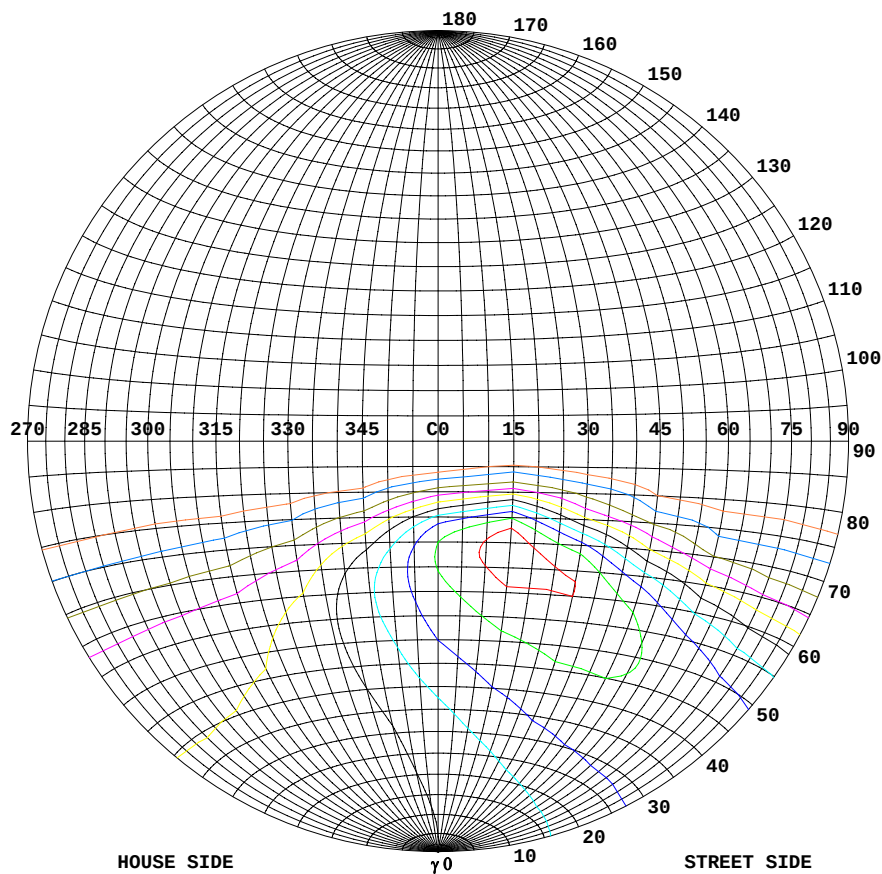
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



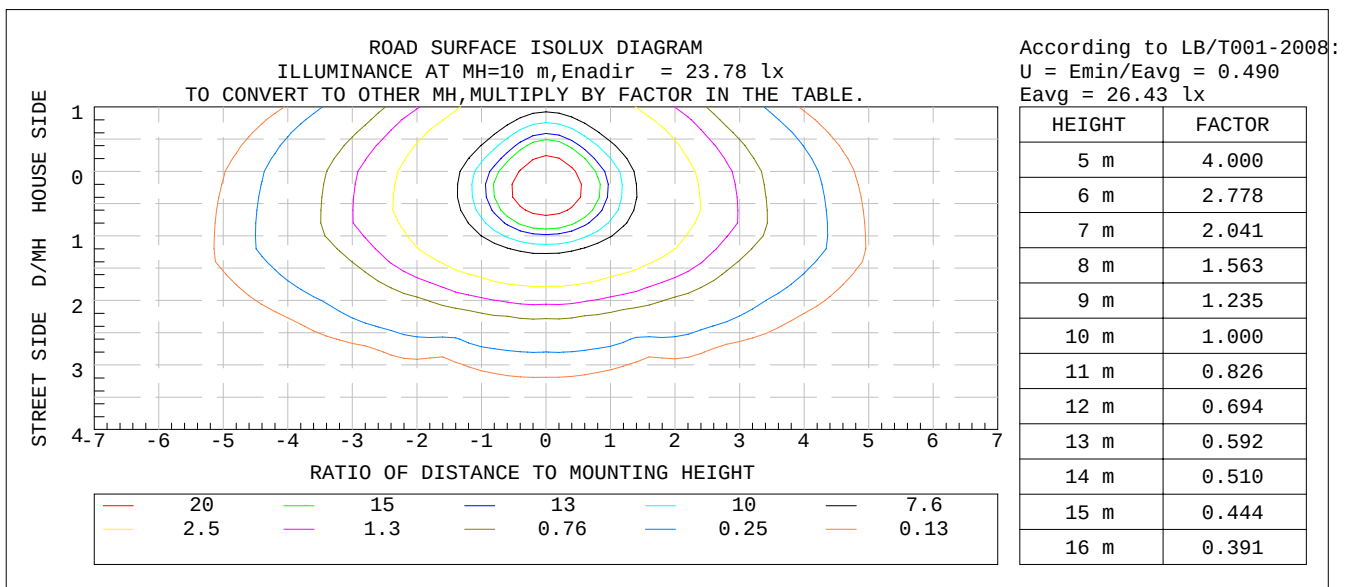
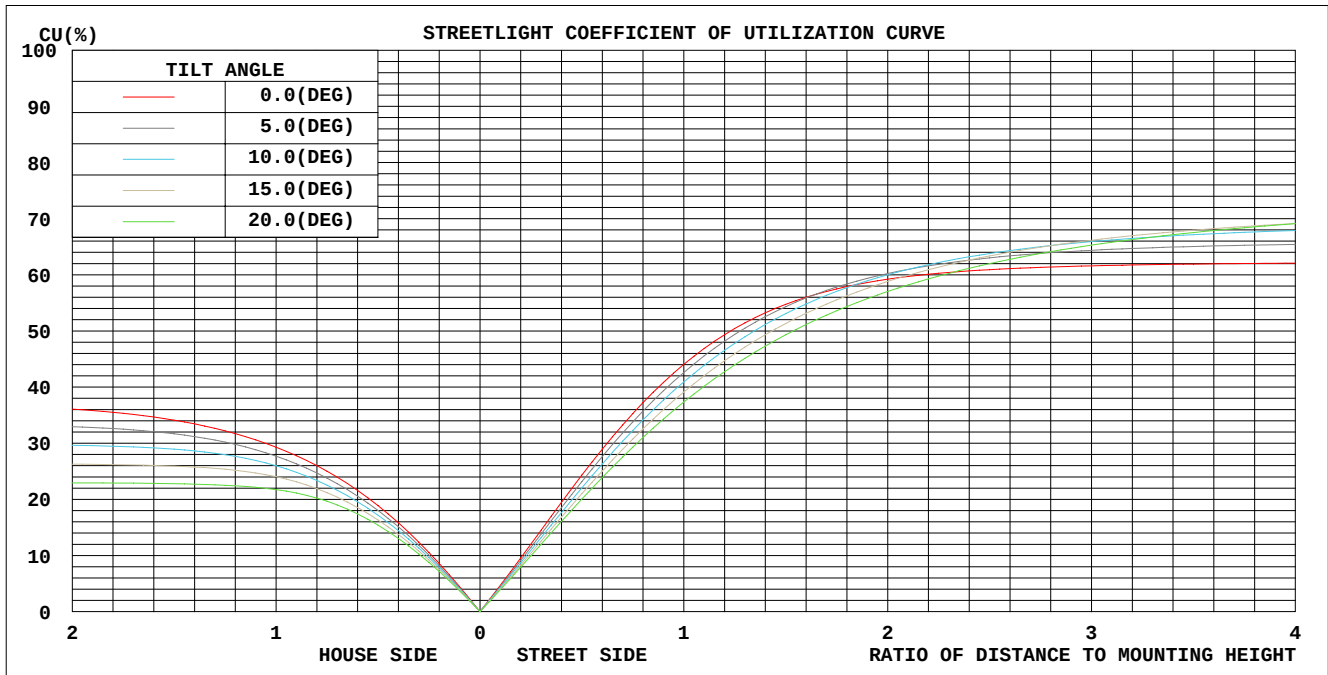
Classification:

IES:Type II - Medium
 CIE:Average - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:141.4cd/klm
 Max.At90:0cd/klm
 Max.80-90:141.4cd/klm
 NRB 5101:Semi limited[10.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4817
90%	4335
80%	3854
70%	3372
60%	2890
50%	2408
40%	1927
30%	1445
20%	963
10%	482
5%	241

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2023-06-15

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: yanyonggeng
Test Date: 2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

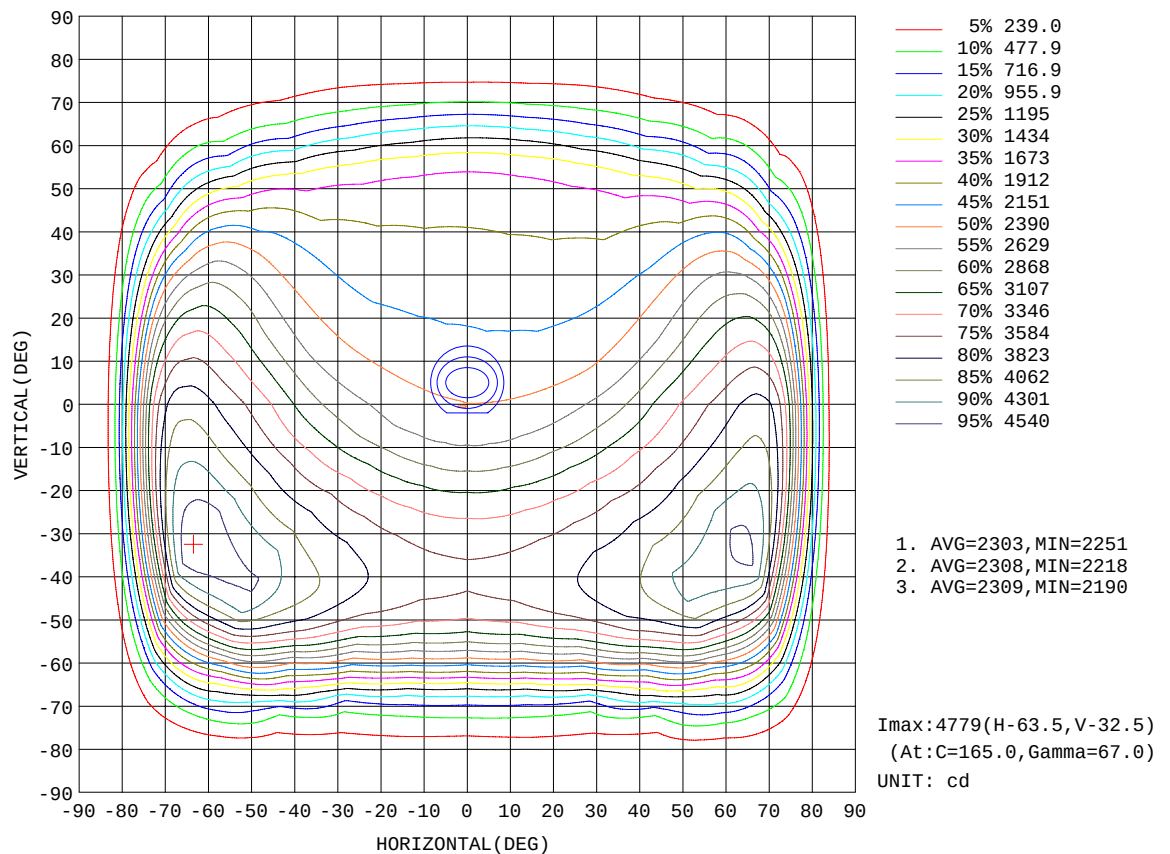
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
10	2407	2567	2647	2595	2439	2295	2233	2276	0- 10	230.0	230.0	1.86,1.86
20	2492	2911	3088	2961	2560	2225	2134	2190	10- 20	709.0	939.0	7.61,7.61
30	2653	3344	3457	3417	2749	2159	2030	2106	20- 30	1232	2171	17.6,17.6
40	2955	3699	3614	3795	3069	2086	1922	2014	30- 40	1774	3945	32,32
50	3345	3952	3322	4064	3498	1965	1781	1889	40- 50	2281	6226	50.5,50.5
60	3684	3721	2215	3775	3841	1599	1326	1561	50- 60	2584	8810	71.4,71.4
70	3816	1943	689.3	1953	3742	627.4	486.7	668.8	60- 70	2281	11091	89.9,89.9
80	1195	242.1	119.0	246.3	883.6	117.2	87.42	122.2	70- 80	1127	12218	99,99
90	0	0	0	0	0	0	0	0	80- 90	117.5	12336	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12336	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12336	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12336	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12336	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12336	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12336	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12336	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12336	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12336	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2023-06-15

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

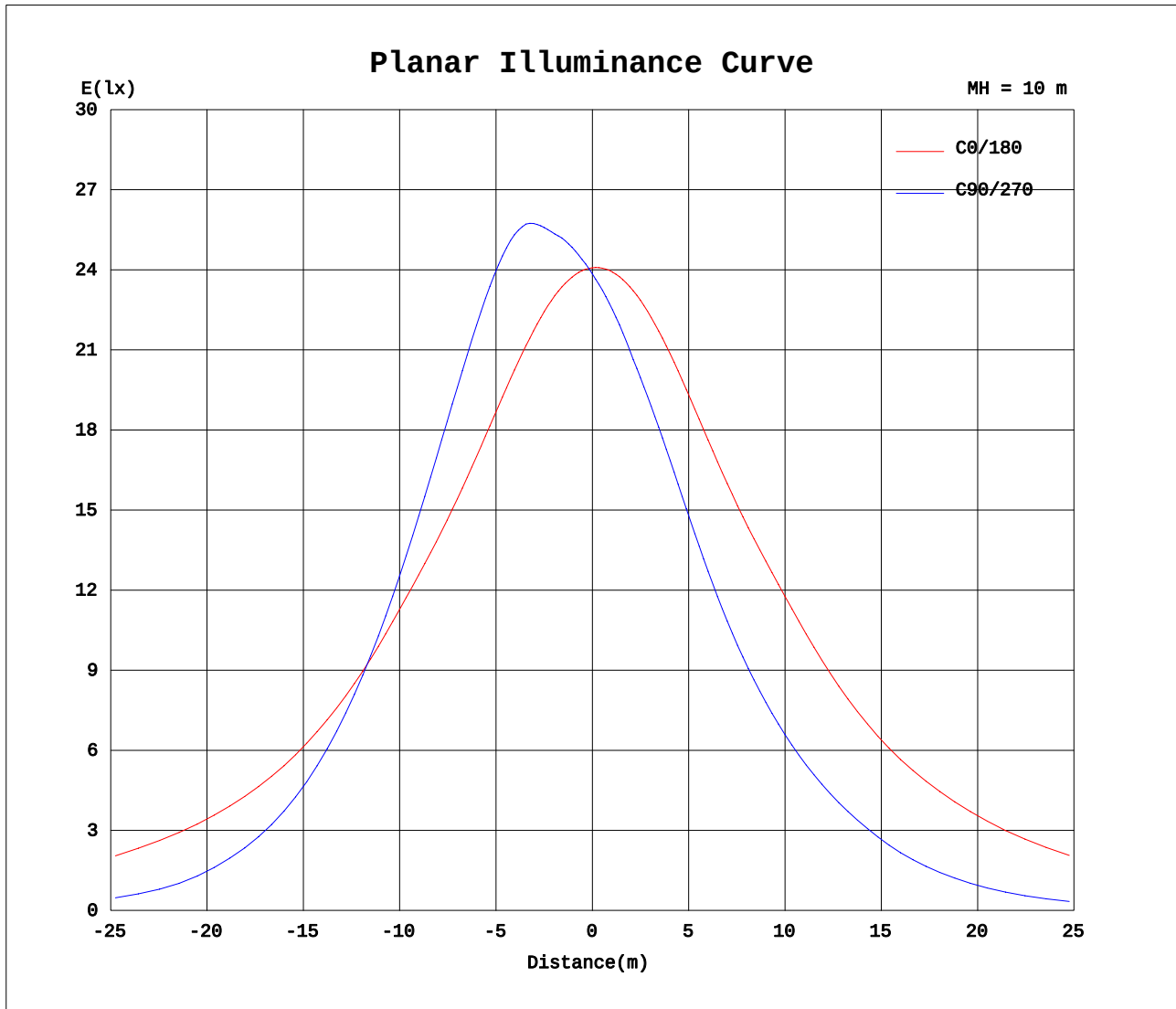
Test:U:219.3V I:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2023-06-15

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



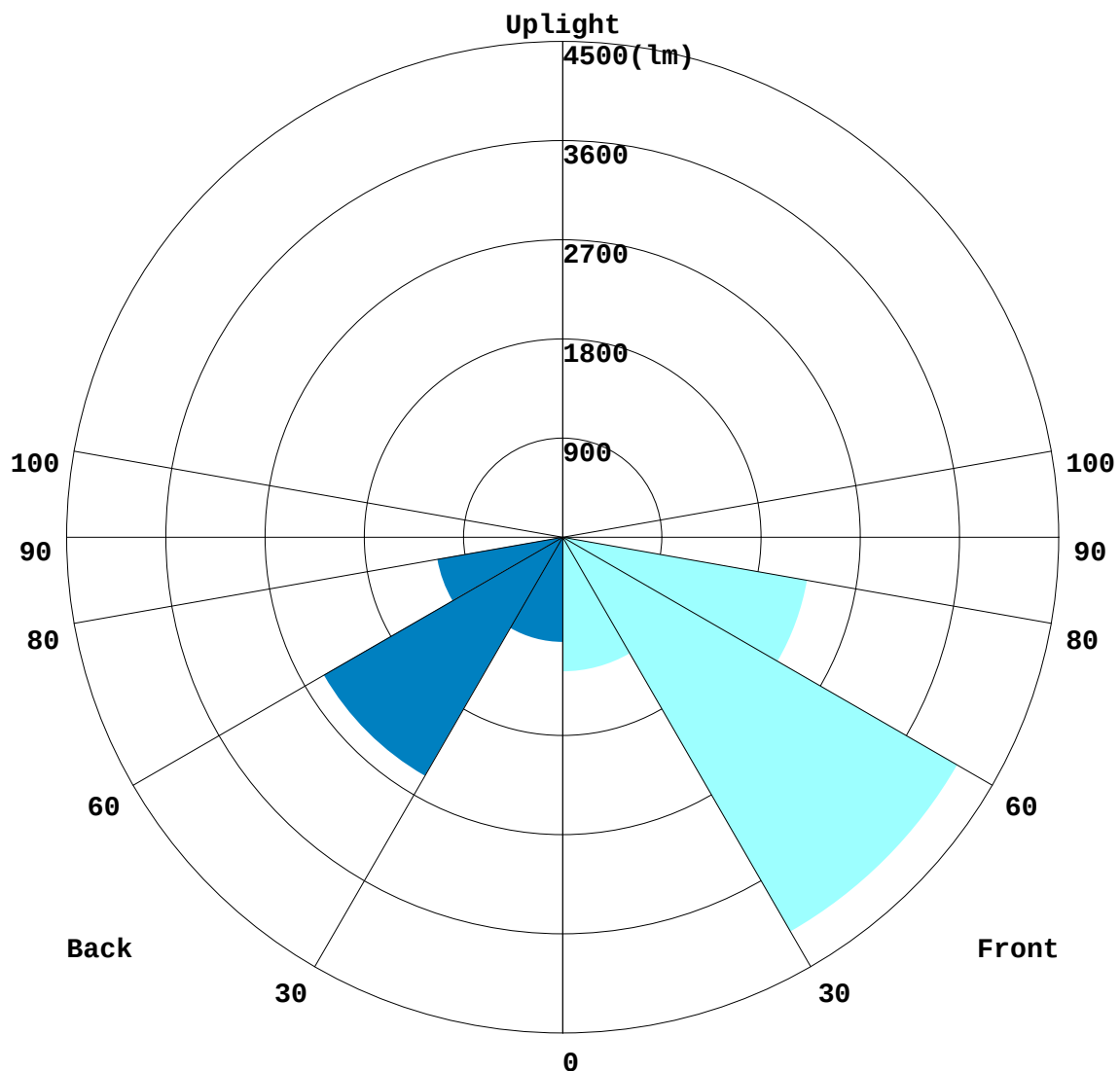
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-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:yanyonggeng
Test Date:2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-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)	1219.4	9.9
FM - Front-Medium(30-60)	4136	33.5
FH - Front-High(60-80)	2254.2	18.3
FVH - Front-Very High(80-90)	86.431	0.7
Total Forward Light	7696	62.4

BL - Back-Low(0-30)	951.7	7.7
BM - Back-Medium(30-60)	2502.7	20.3
BH - Back-High(60-80)	1154.1	9.4
BVH - Back-Very High(80-90)	31.083	0.3
Total Back Light	4639.5	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	4639.5	0	4639.5
Street Side	7696	0	7696

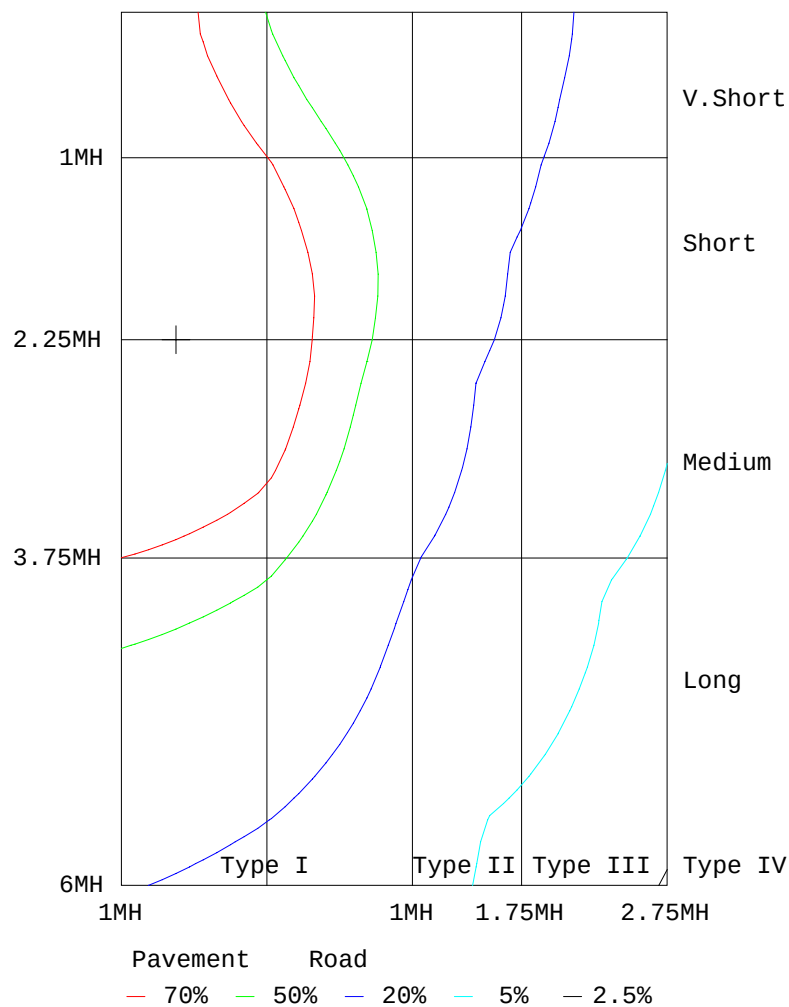
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WILA-NVS-L3-00-3070-T231-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:yanyonggeng
Test Date:2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm																		
NAME: AOK iLA										TYPE:iLA series LED Street Light LIGHT:3.6kg								
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-P										DIM.: 540*230*65mm					SERIAL No.:			
MFR.: AOK										SUR.:190*175mm					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
0	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386	2386
5	2388	2413	2438	2461	2480	2493	2499	2497	2489	2473	2453	2429	2404	2379	2355	2335	2318	2308	2302
10	2407	2461	2518	2567	2609	2634	2647	2644	2628	2595	2551	2495	2439	2386	2336	2295	2264	2243	2233
15	2442	2533	2627	2711	2782	2827	2847	2840	2810	2754	2678	2588	2492	2403	2323	2258	2213	2189	2178
20	2492	2629	2778	2911	3010	3067	3088	3081	3042	2961	2844	2703	2560	2428	2313	2225	2172	2147	2134
25	2561	2759	2976	3134	3231	3276	3295	3294	3269	3197	3056	2849	2644	2460	2303	2193	2130	2099	2084
30	2653	2933	3186	3344	3417	3448	3457	3467	3460	3417	3283	3036	2749	2503	2296	2159	2084	2046	2030
35	2781	3131	3393	3531	3571	3577	3568	3596	3620	3616	3506	3252	2883	2563	2298	2123	2032	1990	1973
40	2955	3338	3584	3699	3697	3652	3614	3668	3748	3795	3719	3482	3069	2644	2306	2086	1976	1935	1922
45	3163	3535	3766	3847	3761	3626	3548	3632	3801	3956	3929	3710	3297	2746	2315	2040	1913	1872	1865
50	3345	3735	3957	3952	3704	3447	3322	3443	3719	4064	4157	3950	3498	2863	2309	1965	1820	1781	1781
55	3520	3970	4154	3954	3441	3034	2876	3017	3412	4051	4406	4221	3668	2969	2263	1832	1667	1624	1628
60	3684	4237	4310	3721	2846	2378	2215	2362	2781	3775	4569	4525	3841	2976	2106	1599	1393	1313	1326
65	3843	4512	4235	3035	1985	1538	1353	1515	1947	3020	4433	4786	3939	2779	1738	1160	962	900	917
70	3816	4590	3501	1943	986	751	689	751	961	1953	3528	4700	3742	2169	1083	627	527	482	487
75	2980	3794	2029	897	383	365	344	351	387	859	1965	3556	2612	1104	420	279	259	234	224
80	1195	1745	822	242	166	139	119	137	162	246	755	1425	884	252	134	117	117	90.1	87.4
85	122	292	123	44.7	37.5	28.1	24.6	28.2	35.5	40.6	125	143	83.0	36.8	31.5	24.8	25.2	20.8	21.4
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:yanyonggeng

Test Date:2023-06-15

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:0.3696A P:78.72W PF:0.9710 Freq:60.01Hz Lamp Flux:12335.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-80WiLA-NVS-L3-00-3070-T231-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	2386	2386	2386	2386	2386													
5	2304	2311	2324	2342	2364													
10	2237	2251	2276	2310	2356													
15	2181	2195	2232	2285	2358													
20	2136	2151	2190	2263	2367													
25	2086	2104	2148	2239	2383													
30	2032	2052	2106	2219	2412													
35	1974	1995	2060	2205	2461													
40	1923	1942	2014	2197	2532													
45	1866	1881	1962	2190	2624													
50	1781	1796	1889	2168	2724													
55	1635	1661	1766	2107	2822													
60	1333	1410	1561	1964	2855													
65	920	998	1196	1656	2723													
70	495	552	669	1110	2237													
75	237	269	301	465	1264													
80	90.2	120	122	151	324													
85	21.0	26.2	26.4	35.5	43.5													
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:yanyonggeng
 Test Date:2023-06-15

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: