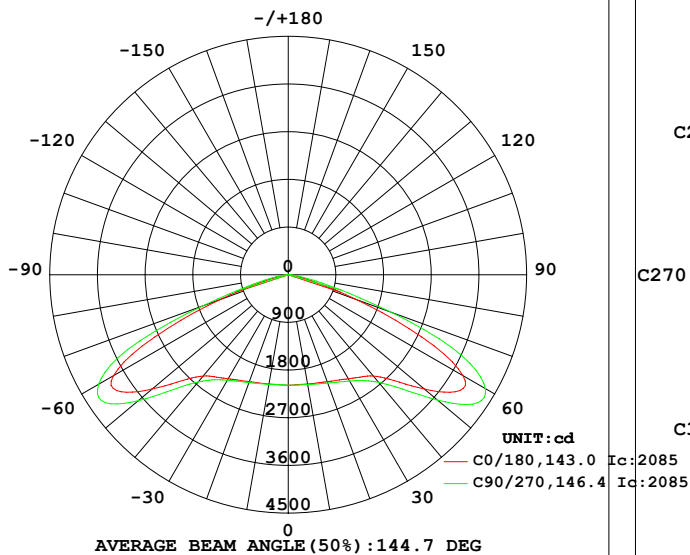
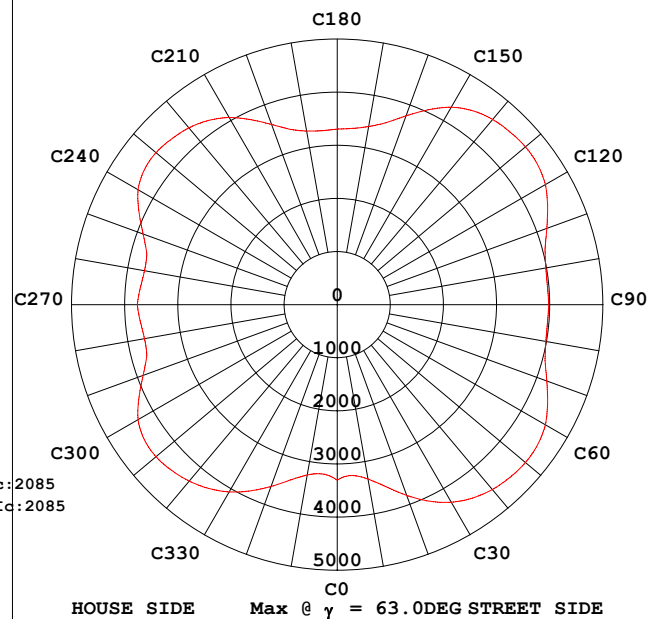


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.13 lm/W			
MODEL	3030	I _{max} (cd)	4597	η street_up (%)	0.0
NOMINAL POWER (W)	120	LOR (%)	100.0	η street_down (%)	51.0
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	13497	η house_up (%)	0.0
NOMINAL FLUX (lm)	13496.9	MAXIMUM @ (C, γ)	45,63.0	η house_down (%)	49.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.362

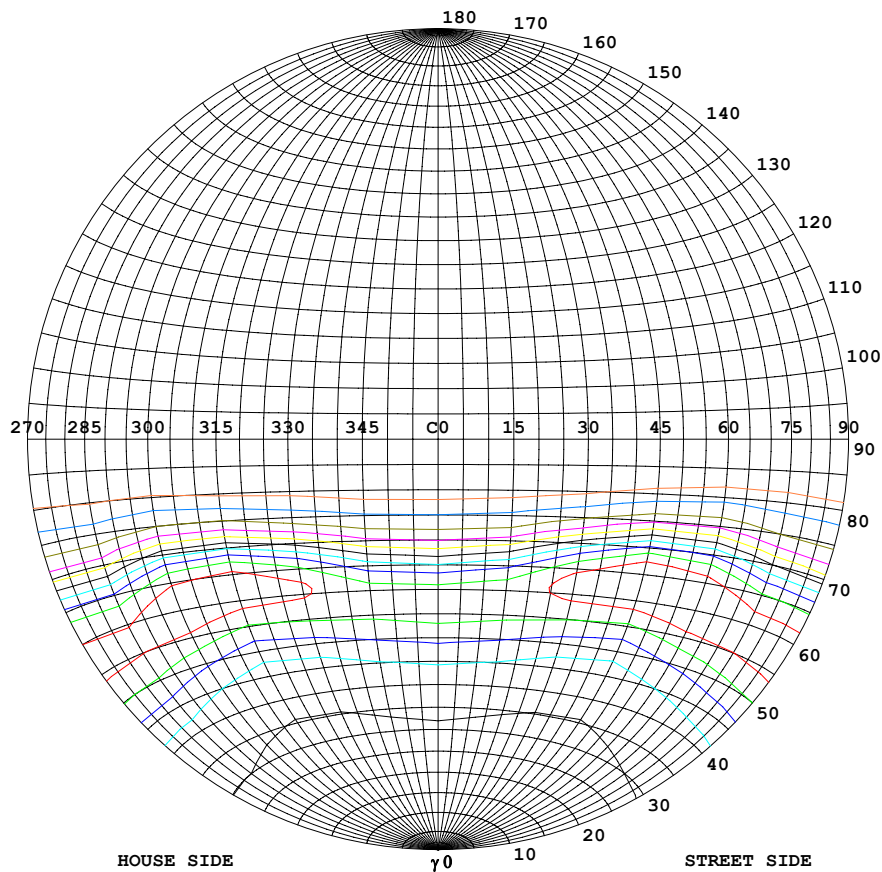
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



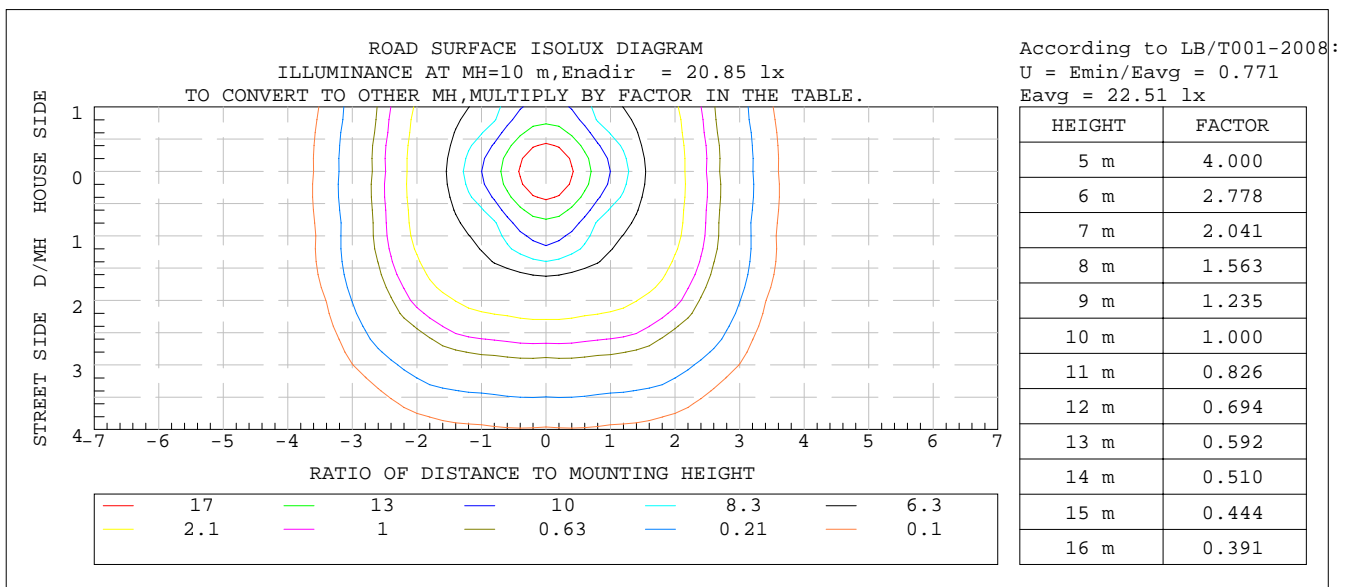
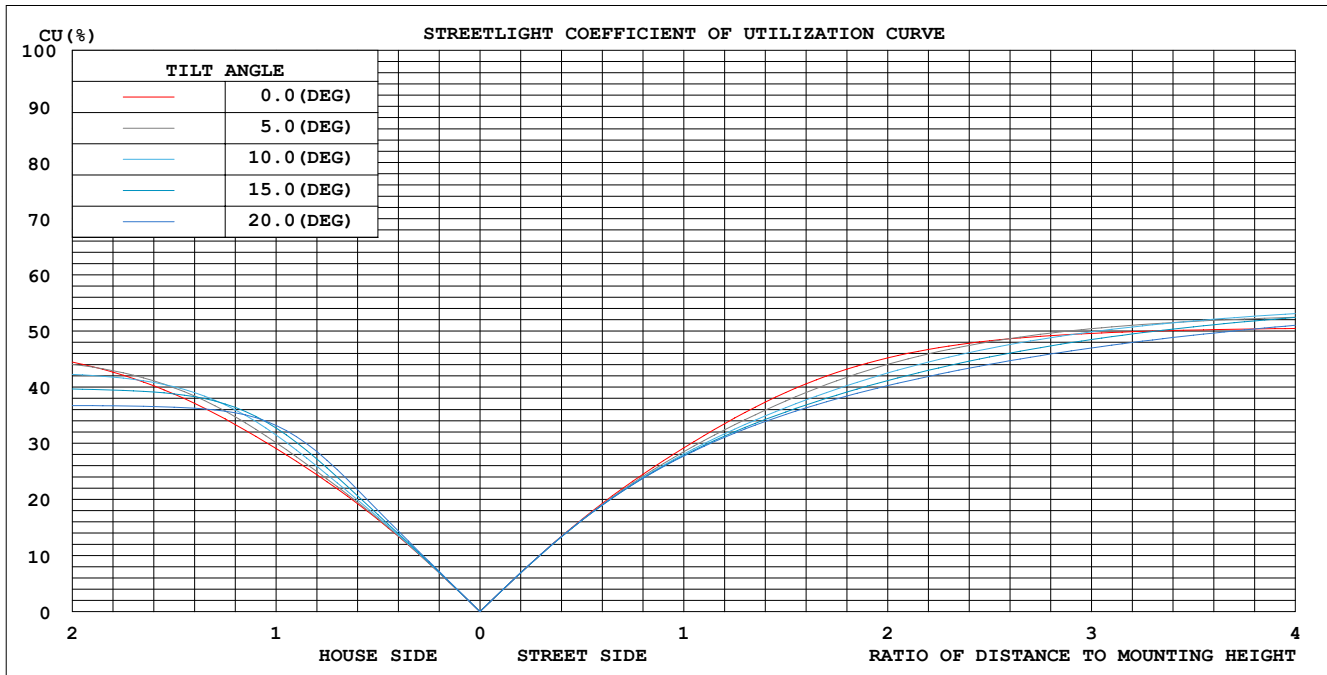
Classification:

IES:Type III - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:27.64cd/klm
Max.At90:0cd/klm
Max.80-90:27.64cd/klm
NRB 5101:Limited[3.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4597
90%	4137
80%	3678
70%	3218
60%	2758
50%	2299
40%	1839
30%	1379
20%	919
10%	460
5%	230

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [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: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

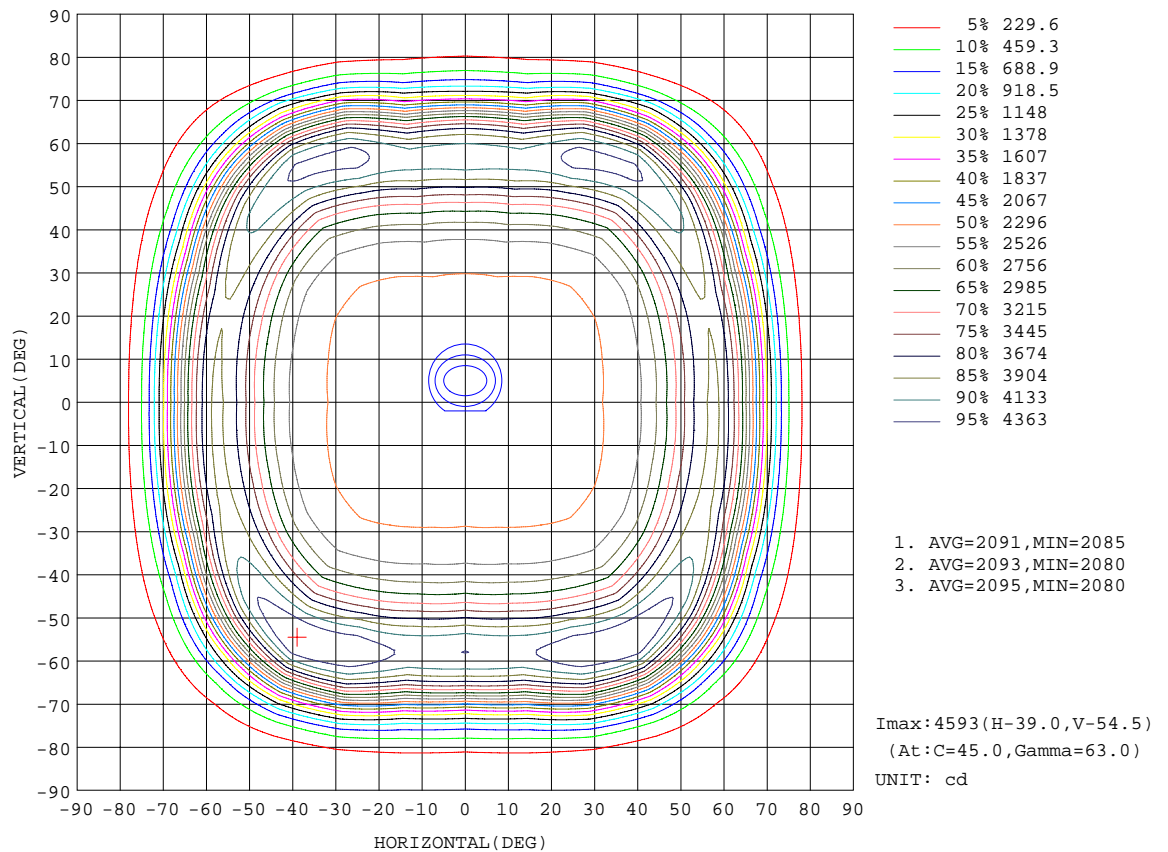
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2093	2100	2105	2100	2093	2101	2101	2101	0- 10	199.6	199.6	1.48,1.48
20	2149	2150	2175	2150	2149	2151	2165	2151	10- 20	603.1	802.7	5.95,5.95
30	2267	2227	2318	2227	2267	2223	2299	2223	20- 30	1020	1823	13.5,13.5
40	2496	2392	2652	2392	2496	2390	2642	2390	30- 40	1480	3303	24.5,24.5
50	3359	2932	3681	2932	3359	2953	3700	2953	40- 50	2179	5482	40.6,40.6
60	3805	4376	4294	4376	3805	4299	4130	4299	50- 60	3443	8925	66.1,66.1
70	1350	3329	2054	3329	1350	2696	1706	2696	60- 70	3481	12406	91.9,91.9
80	152.5	316.7	296.2	316.7	152.5	205.7	245.4	205.7	70- 80	1009	13415	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	81.90	13497	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13497	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13497	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13497	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13497	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13497	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13497	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13497	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13497	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13497	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:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

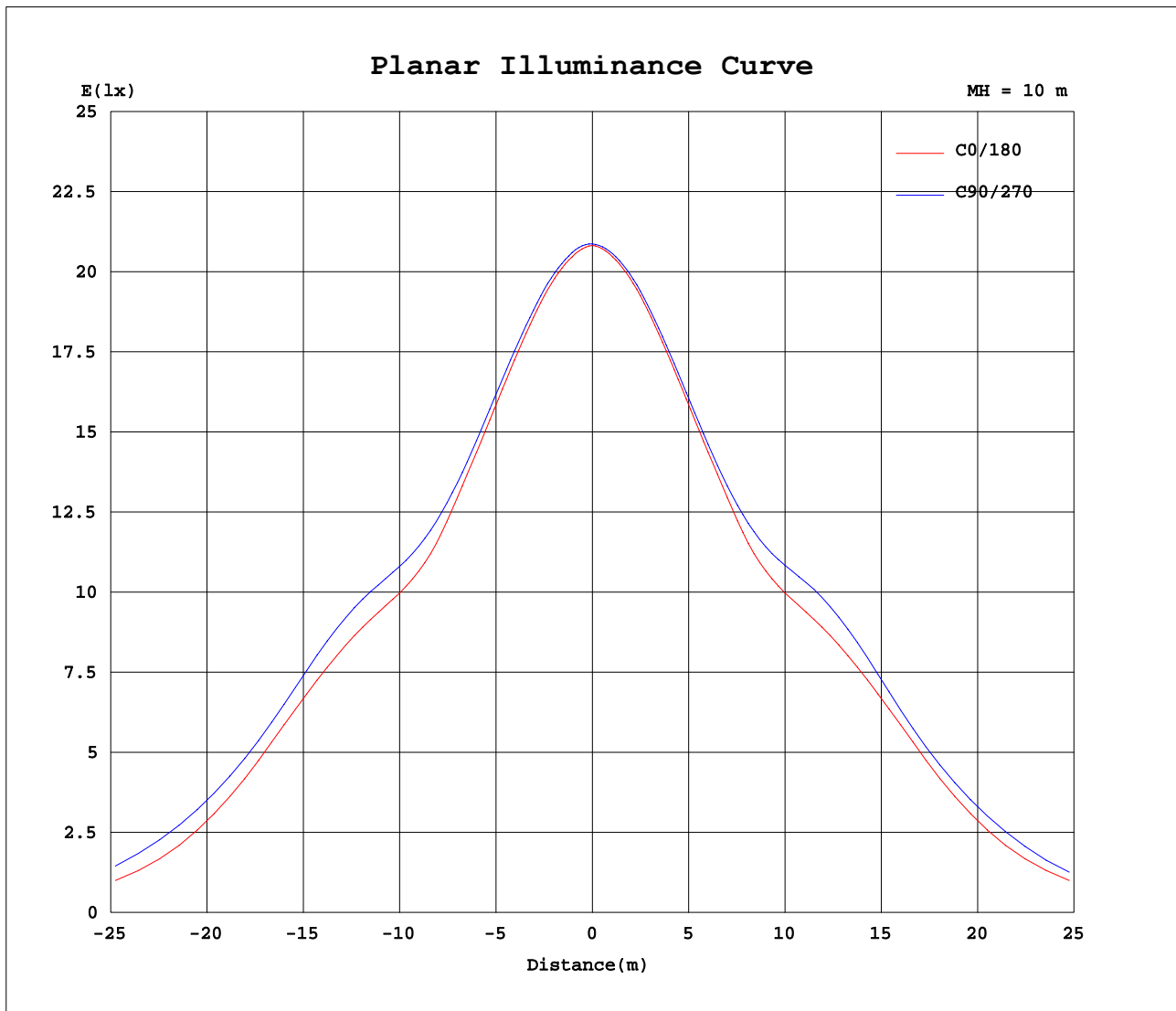
Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

Planar Illuminance Curve



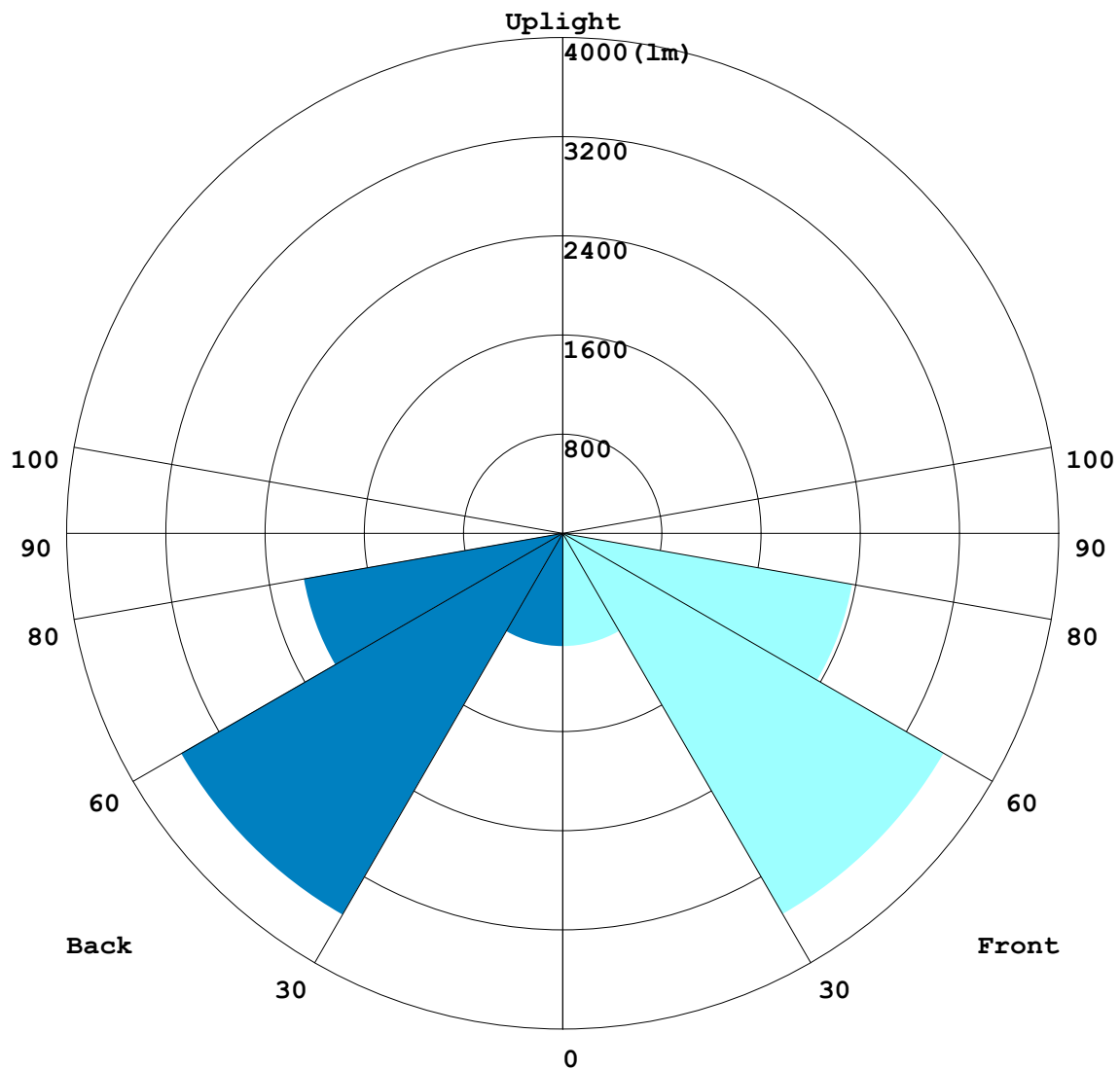
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.801m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	911.6	6.8
FM - Front-Medium(30-60)	3548.9	26.3
FH - Front-High(60-80)	2371.1	17.6
FVH - Front-Very High(80-90)	47.898	0.4
Total Forward Light	6879.5	51.0

BL - Back-Low(0-30)	911.5	6.8
BM - Back-Medium(30-60)	3552.8	26.3
BH - Back-High(60-80)	2119.1	15.7
BVH - Back-Very High(80-90)	33.997	0.3
Total Back Light	6617.4	49.0

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	6617.4	0	6617.4
Street Side	6879.5	0	6879.5

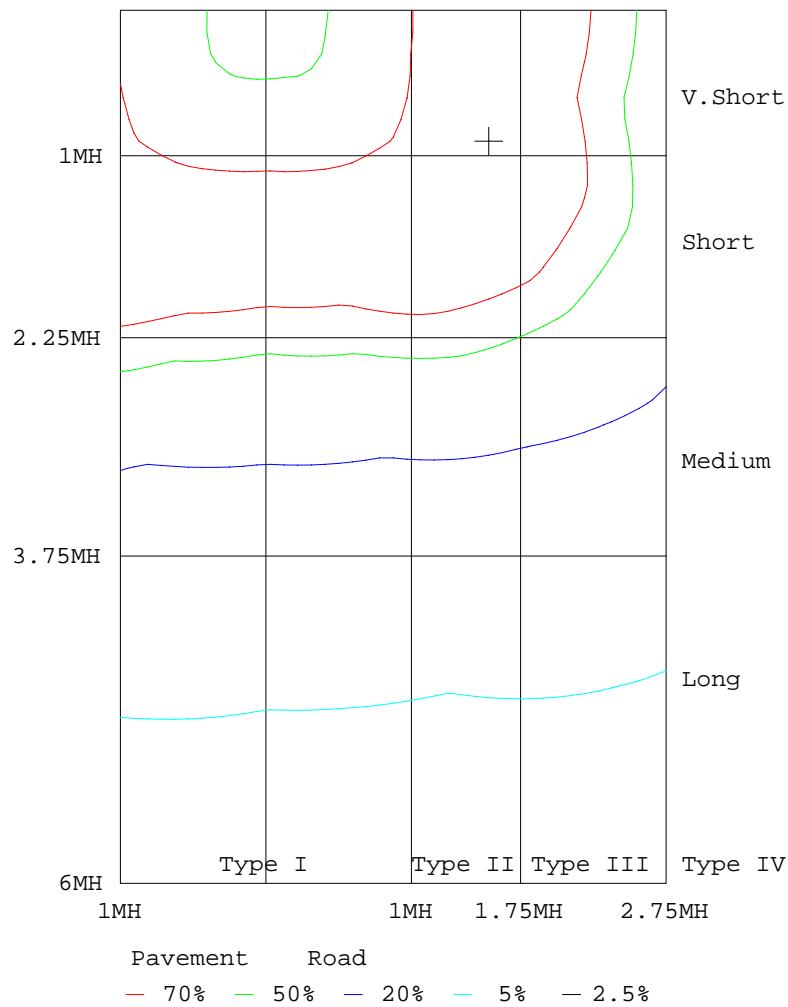
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.801m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297M$	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.801m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	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	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085	2085
5	2083	2084	2087	2088	2090	2090	2091	2090	2090	2088	2087	2084	2083	2086	2086	2088	2088	2088	2086
10	2093	2094	2097	2100	2103	2105	2105	2105	2103	2100	2097	2094	2093	2097	2097	2101	2102	2104	2101
15	2115	2117	2118	2121	2127	2133	2134	2133	2127	2121	2118	2117	2115	2119	2118	2123	2126	2130	2127
20	2149	2146	2147	2150	2160	2171	2175	2171	2160	2150	2147	2146	2149	2149	2145	2151	2158	2166	2165
25	2198	2190	2186	2185	2202	2224	2235	2224	2202	2185	2186	2190	2198	2191	2179	2182	2199	2221	2219
30	2267	2251	2232	2227	2261	2299	2318	2299	2261	2227	2232	2251	2267	2248	2224	2223	2255	2296	2299
35	2360	2327	2295	2288	2343	2411	2438	2411	2343	2288	2295	2327	2360	2327	2289	2285	2335	2413	2421
40	2496	2458	2391	2392	2486	2597	2652	2597	2486	2392	2391	2458	2496	2453	2385	2390	2481	2615	2642
45	2825	2744	2598	2570	2754	2941	3054	2941	2754	2570	2598	2744	2825	2736	2591	2571	2761	3003	3063
50	3359	3248	3037	2932	3249	3524	3681	3524	3249	2932	3037	3248	3359	3237	3053	2953	3291	3621	3700
55	3851	3781	3698	3596	3989	4131	4256	4131	3989	3596	3698	3781	3851	3746	3716	3636	4022	4144	4211
60	3805	3926	4256	4376	4528	4300	4294	4300	4528	4376	4256	3926	3805	3843	4173	4299	4457	4100	4130
65	2780	3135	4014	4542	4327	3724	3613	3724	4327	4542	4014	3135	2780	2969	3741	4239	4062	3267	3343
70	1350	1609	2537	3329	3151	2317	2054	2317	3151	3329	2537	1609	1350	1479	2175	2696	2560	1698	1706
75	464	528	873	1310	1295	909	793	909	1295	1310	873	528	464	489	673	939	912	635	663
80	152	159	200	317	373	326	296	326	373	317	200	159	152	151	171	206	253	218	245
85	47.7	49.0	48.6	51.9	92.0	90.3	81.2	90.3	92.0	51.9	48.6	49.0	47.7	45.4	44.7	33.6	41.2	43.2	54.9
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: 2019-06-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.801m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.3V I:0.5518A P:119.3W PF:0.9861 Freq:49.99Hz Lamp Flux:13496.9x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-120WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 \times \phi 0.297M$	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	2085	2085	2085	2085	2085														
5	2088	2088	2088	2086	2086														
10	2104	2102	2101	2097	2097														
15	2130	2126	2123	2118	2119														
20	2166	2158	2151	2145	2149														
25	2221	2199	2182	2179	2191														
30	2296	2255	2223	2224	2248														
35	2413	2335	2285	2289	2327														
40	2615	2481	2390	2385	2453														
45	3003	2761	2571	2591	2736														
50	3621	3291	2953	3053	3237														
55	4144	4022	3636	3716	3746														
60	4100	4457	4299	4173	3843														
65	3267	4062	4239	3741	2969														
70	1698	2560	2696	2175	1479														
75	635	912	939	673	489														
80	218	253	206	171	151														
85	43.2	41.2	33.6	44.7	45.4														
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:2019-06-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.801m [K=1.0000]
Remarks: