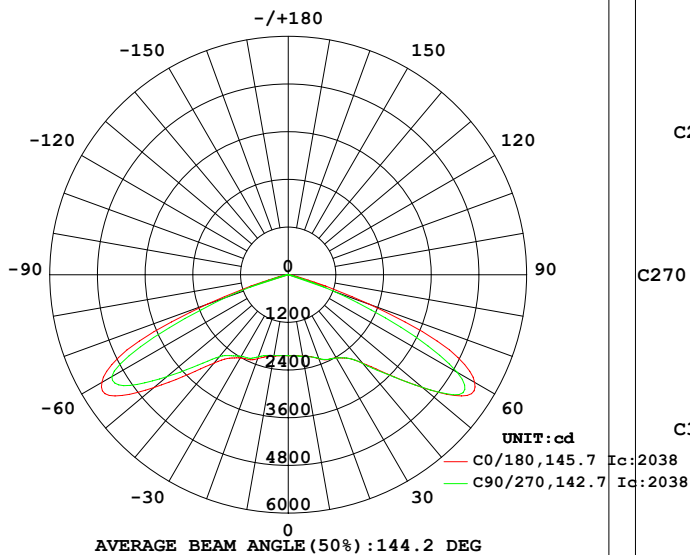
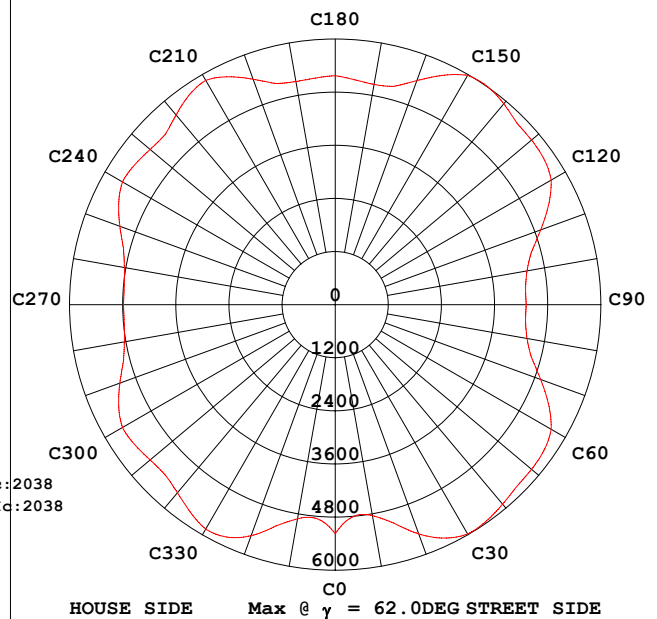


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 104.81 lm/W			
MODEL	3030	I _{max} (cd)	5981	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	50.0
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	15796	η house_up (%)	0.0
NOMINAL FLUX (lm)	15796.3	MAXIMUM @ (C, γ)	150,62.0	η house_down (%)	50.0
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.675

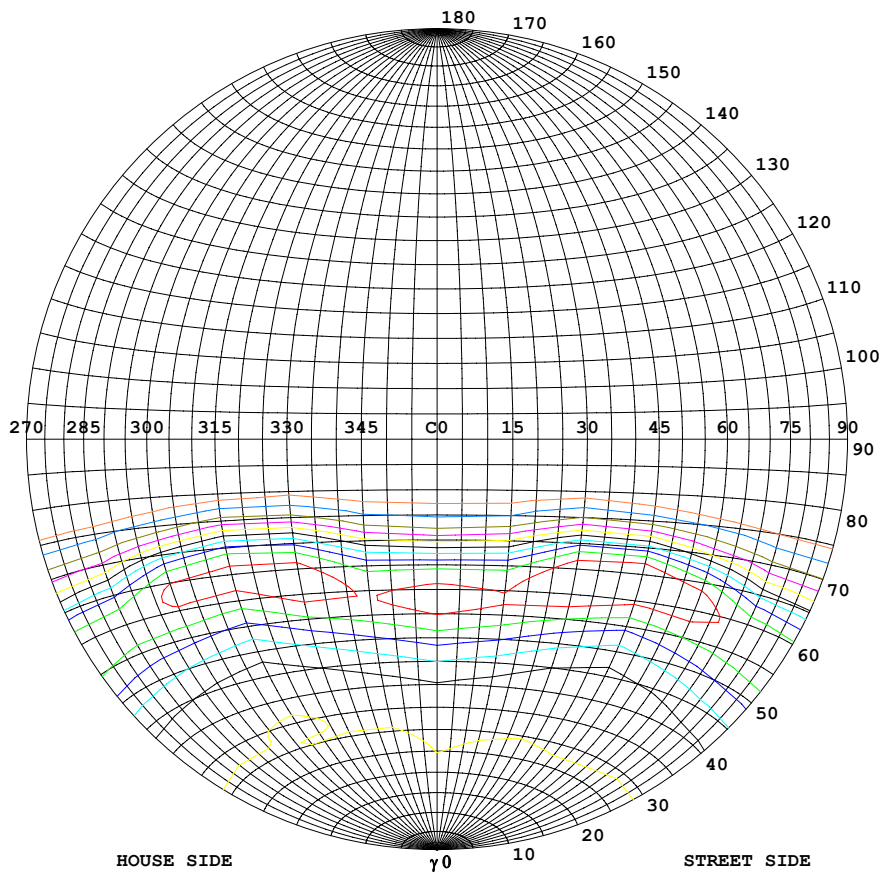
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409\text{M}$	Shielding Angle:



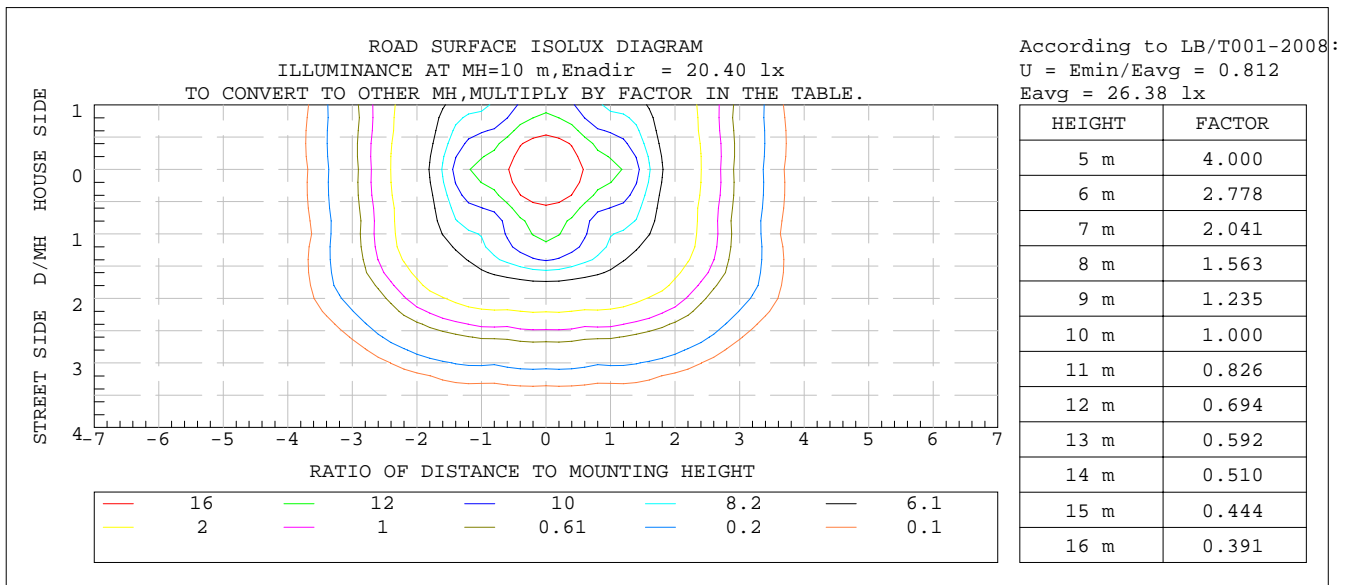
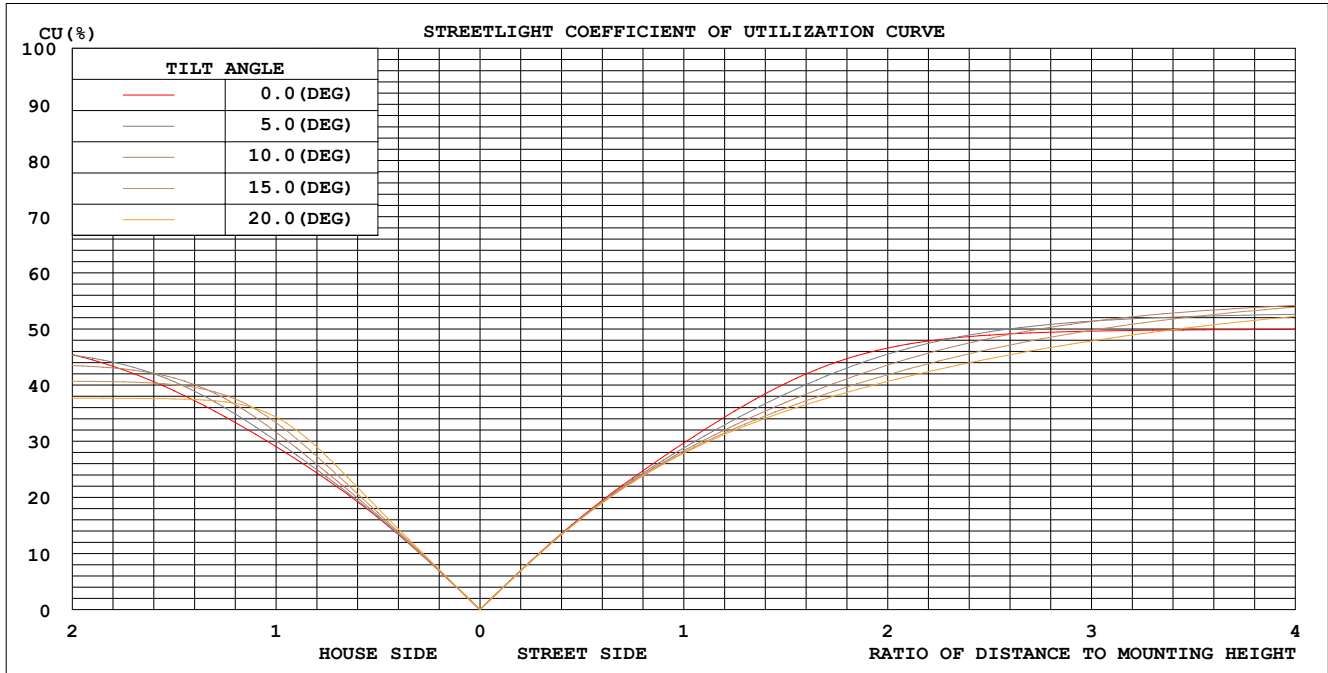
Classification:

IES:Type V - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:15.69cd/klm
Max.At90:0cd/klm
Max.80-90:15.69cd/klm
NRB 5101:Limited[4.3%]

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5981
90%	5383
80%	4785
70%	4187
60%	3589
50%	2991
40%	2392
30%	1794
20%	1196
10%	598
5%	299

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [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: 2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:

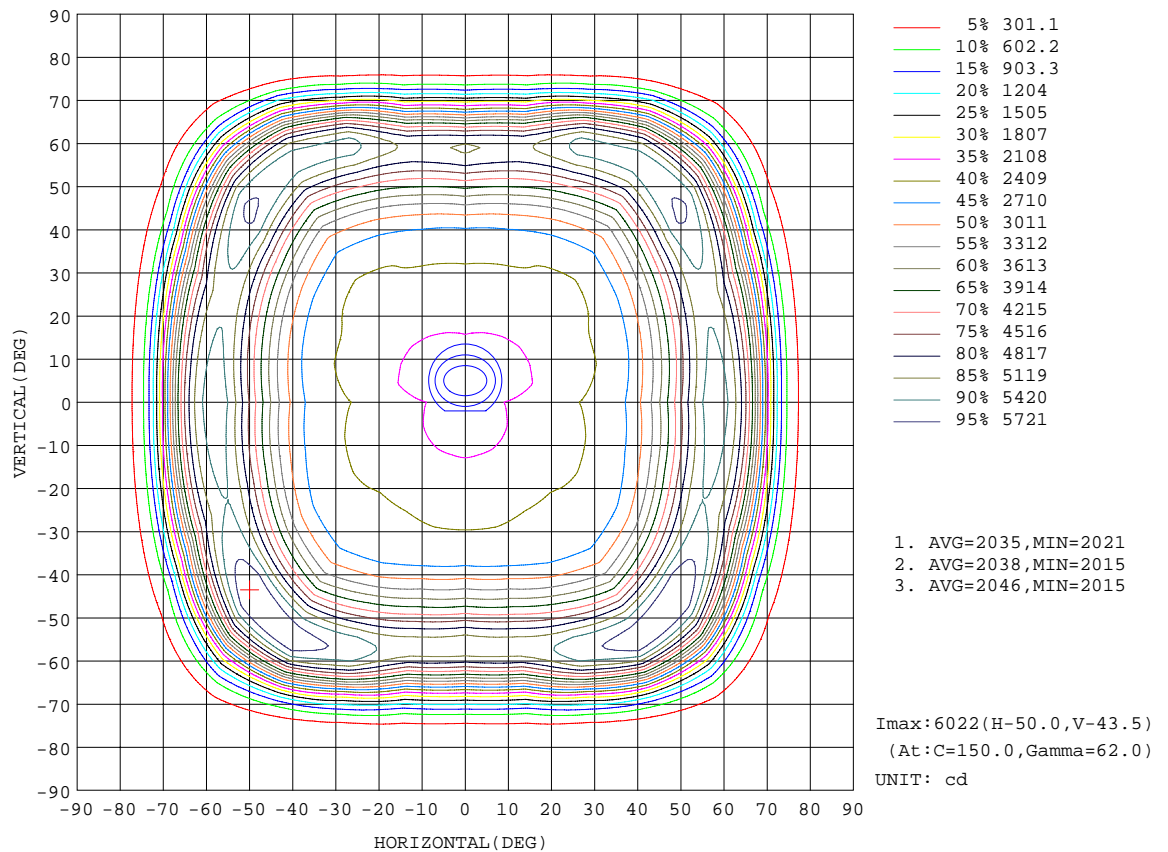
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2080	2082	2085	2082	2080	2063	2067	2063	0- 10	196.2	196.2	1.24,1.24
20	2247	2185	2240	2185	2247	2149	2197	2149	10- 20	604.3	800.5	5.07,5.07
30	2420	2408	2422	2408	2420	2413	2372	2413	20- 30	1072	1872	11.9,11.9
40	2902	2523	2920	2523	2902	2510	2694	2510	30- 40	1572	3444	21.8,21.8
50	4417	3370	4416	3370	4417	3255	3997	3255	40- 50	2477	5922	37.5,37.5
60	5416	5489	4903	5489	5416	5120	5127	5120	50- 60	4253	10175	64.4,64.4
70	2166	3815	1218	3815	2166	4341	1667	4341	60- 70	4501	14676	92.9,92.9
80	162.4	100.2	74.31	100.2	162.4	179.7	92.95	179.7	70- 80	1072	15748	99.7,99.7
90	0	0	0	0	0	0	0	0	80- 90	48.48	15796	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15796	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15796	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15796	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15796	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15796	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15796	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15796	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15796	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15796	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:2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

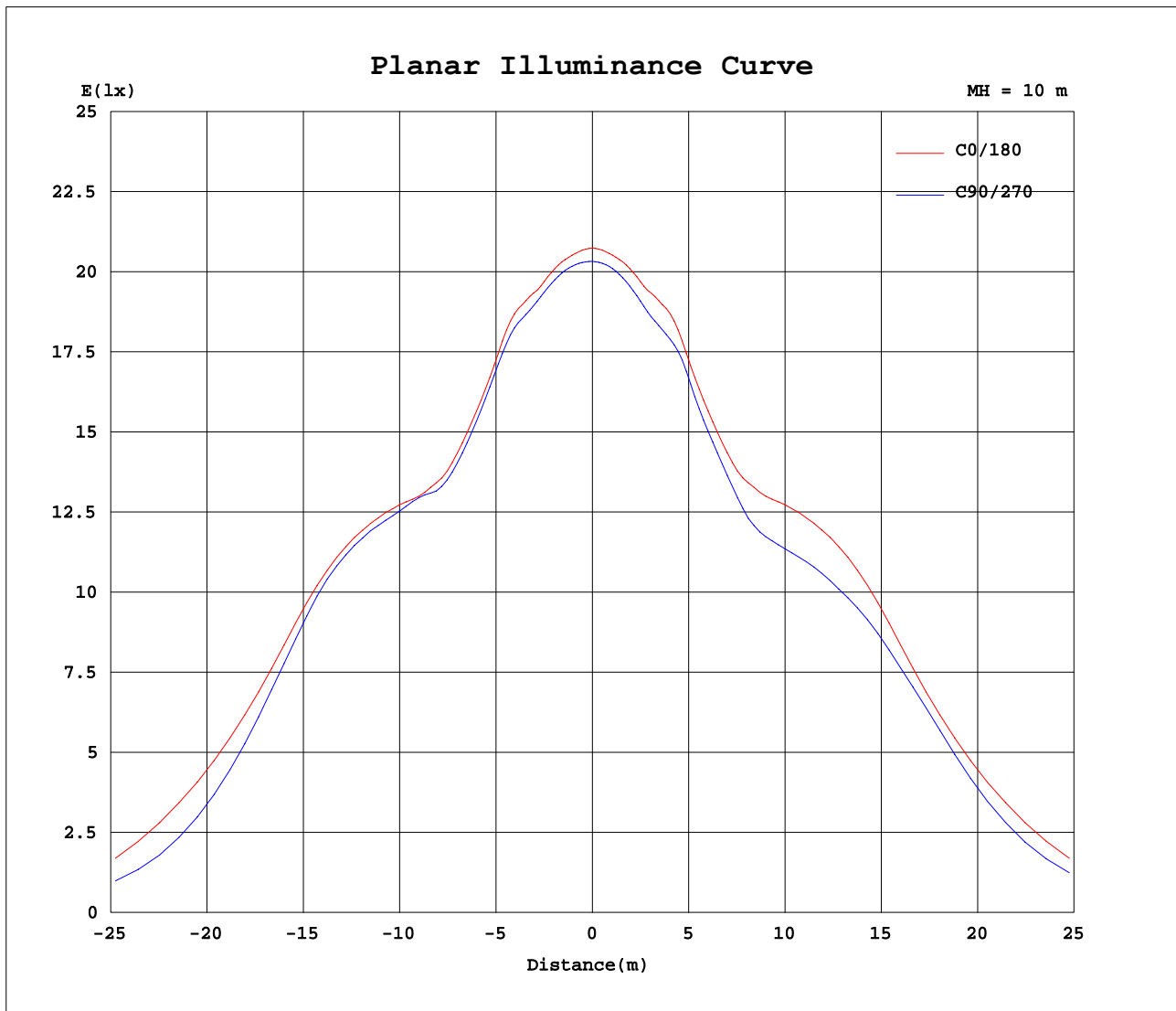
Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

Planar Illuminance Curve



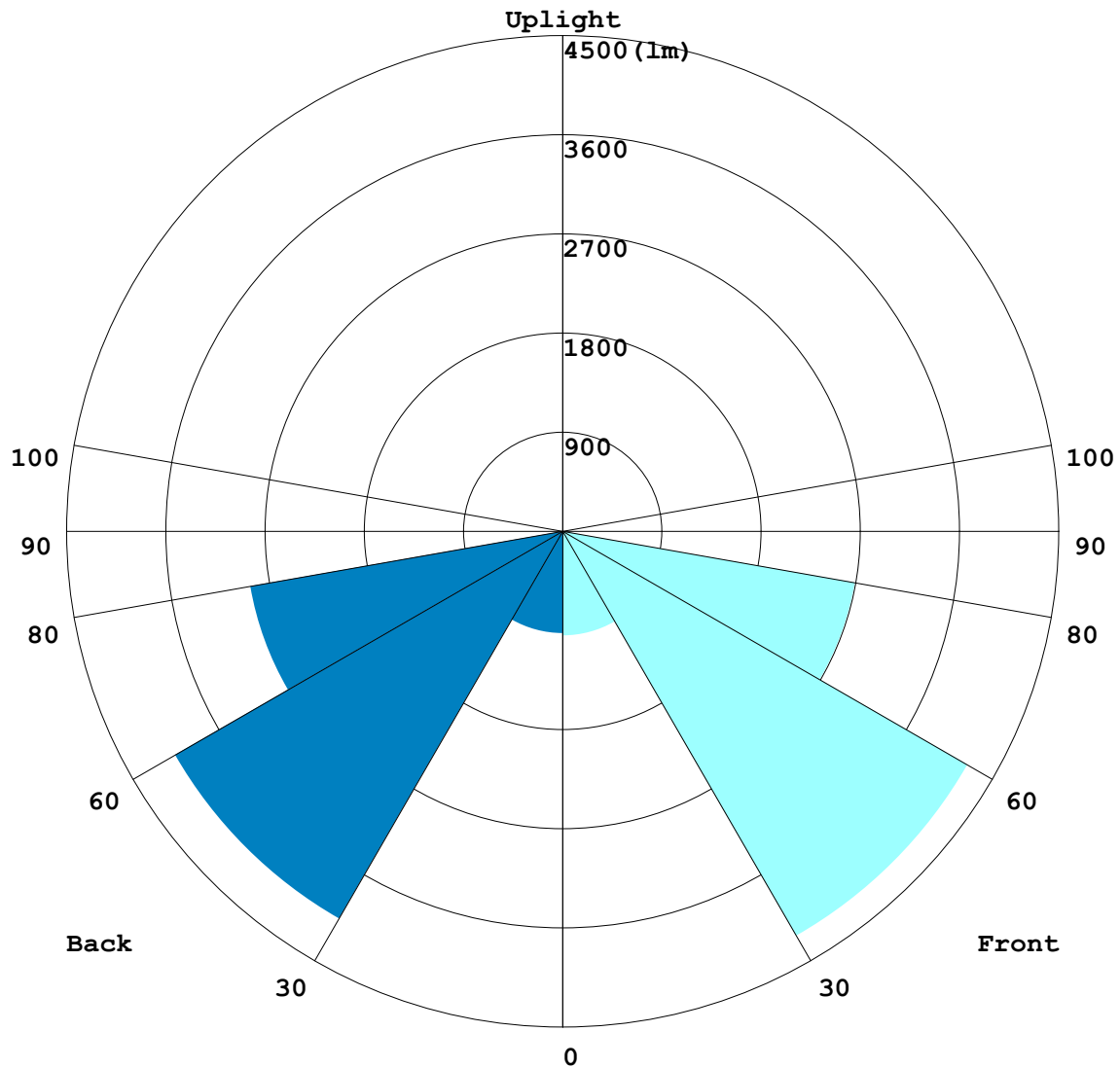
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.684m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	946.85	6.0
FM - Front-Medium(30-60)	4242.1	26.9
FH - Front-High(60-80)	2694.7	17.1
FVH - Front-Very High(80-90)	21.009	0.1
Total Forward Light	7904.7	50.0

BL - Back-Low(0-30)	925.55	5.9
BM - Back-Medium(30-60)	4060.4	25.7
BH - Back-High(60-80)	2878.1	18.2
BVH - Back-Very High(80-90)	27.468	0.2
Total Back Light	7891.5	50.0

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	B4-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7891.5	0	7891.5
Street Side	7904.7	0	7904.7

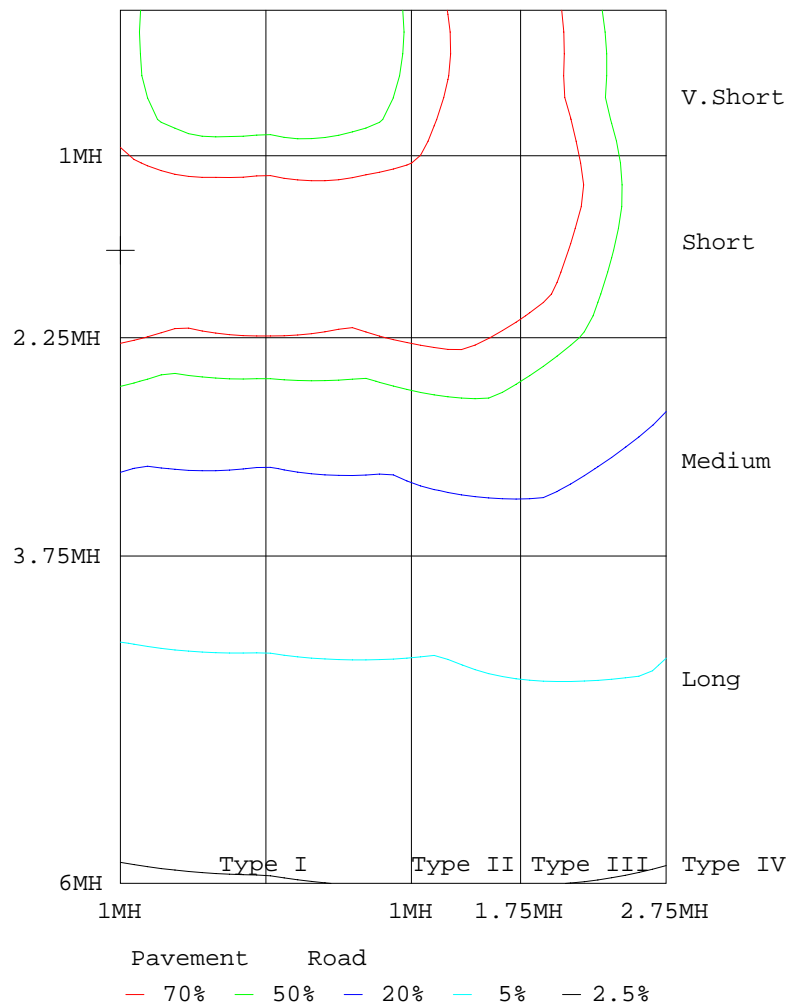
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	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	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038	2038
5	2045	2047	2047	2048	2049	2050	2051	2050	2049	2048	2047	2047	2045	2043	2043	2043	2044	2044	2045
10	2080	2082	2081	2082	2083	2084	2085	2084	2083	2082	2081	2082	2080	2071	2066	2063	2063	2064	2067
15	2132	2132	2128	2127	2129	2136	2139	2136	2129	2127	2128	2132	2132	2117	2107	2099	2096	2099	2105
20	2247	2237	2209	2185	2202	2230	2240	2230	2202	2185	2209	2237	2247	2208	2171	2149	2164	2182	2197
25	2355	2338	2307	2316	2328	2350	2352	2350	2328	2316	2307	2338	2355	2338	2293	2262	2273	2303	2323
30	2420	2395	2384	2408	2422	2415	2422	2415	2422	2408	2384	2395	2420	2402	2400	2413	2379	2366	2372
35	2565	2520	2444	2408	2450	2532	2561	2532	2450	2408	2444	2520	2565	2529	2448	2385	2420	2472	2489
40	2902	2777	2583	2523	2626	2801	2920	2801	2626	2523	2583	2777	2902	2792	2612	2510	2558	2648	2694
45	3538	3319	2976	2812	3067	3407	3554	3407	3067	2812	2976	3319	3538	3340	3032	2770	2900	3084	3220
50	4417	4169	3714	3370	3808	4195	4416	4195	3808	3370	3714	4169	4417	4153	3732	3255	3506	3786	3997
55	5319	5091	4739	4342	4777	5083	5252	5083	4777	4342	4739	5091	5319	5086	4737	4080	4423	4607	4856
60	5416	5289	5842	5489	5636	5089	4903	5089	5636	5489	5842	5289	5416	5368	5693	5120	5338	5090	5127
65	4474	4491	5735	5842	4974	3434	3130	3434	4974	5842	5735	4491	4474	4560	5675	5614	5398	4090	3740
70	2166	2398	3978	3815	2348	1365	1218	1365	2348	3815	3978	2398	2166	2589	4102	4341	3293	1901	1667
75	519	582	1206	926	503	295	253	295	503	926	1206	582	519	650	1415	1467	837	438	358
80	162	163	187	100	85.2	73.3	74.3	73.3	85.2	100	187	163	162	182	248	180	121	98.2	93.0
85	38.3	36.8	31.0	17.3	20.6	23.1	23.5	23.1	20.6	17.3	31.0	36.8	38.3	46.5	50.1	26.7	28.3	32.7	33.4
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:2019-02-20

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.684m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.7114A P:150.7W PF:0.9629 Freq:49.99Hz Lamp Flux:15796.3x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:
SPEC.:AOK-150WiP-NV-L3-00-3070-T501-P	DIM.: $\phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409M$	Shielding Angle:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345														
0	2038	2038	2038	2038	2038														
5	2044	2044	2043	2043	2043														
10	2064	2063	2063	2066	2071														
15	2099	2096	2099	2107	2117														
20	2182	2164	2149	2171	2208														
25	2303	2273	2262	2293	2338														
30	2366	2379	2413	2400	2402														
35	2472	2420	2385	2448	2529														
40	2648	2558	2510	2612	2792														
45	3084	2900	2770	3032	3340														
50	3786	3506	3255	3732	4153														
55	4607	4423	4080	4737	5086														
60	5090	5338	5120	5693	5368														
65	4090	5398	5614	5675	4560														
70	1901	3293	4341	4102	2589														
75	438	837	1467	1415	650														
80	98.2	121	180	248	182														
85	32.7	28.3	26.7	50.1	46.5														
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:
 Test Date:2019-02-20

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.684m [K=1.0000]
 Remarks: