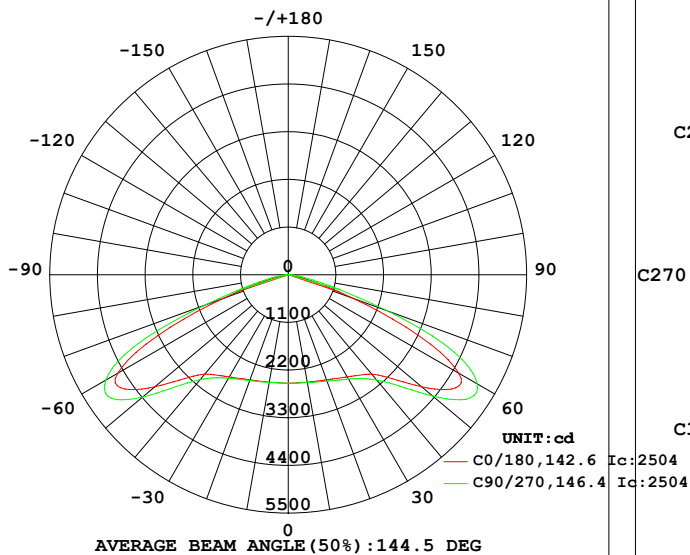
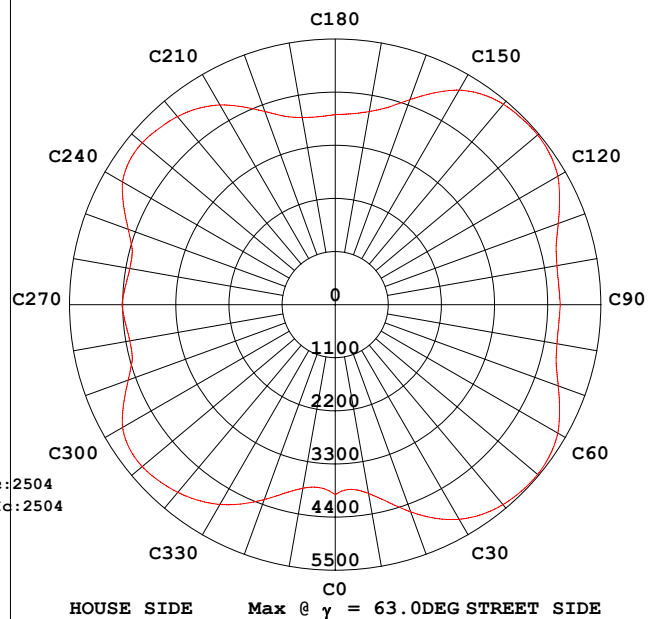


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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: 107.14 lm/W			
MODEL	3030	I _{max} (cd)	5455	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	51.1
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	16066	η house_up (%)	0.0
NOMINAL FLUX (lm)	16065.7	MAXIMUM @ (C, γ)	135,63.0	η house_down (%)	48.9
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.663

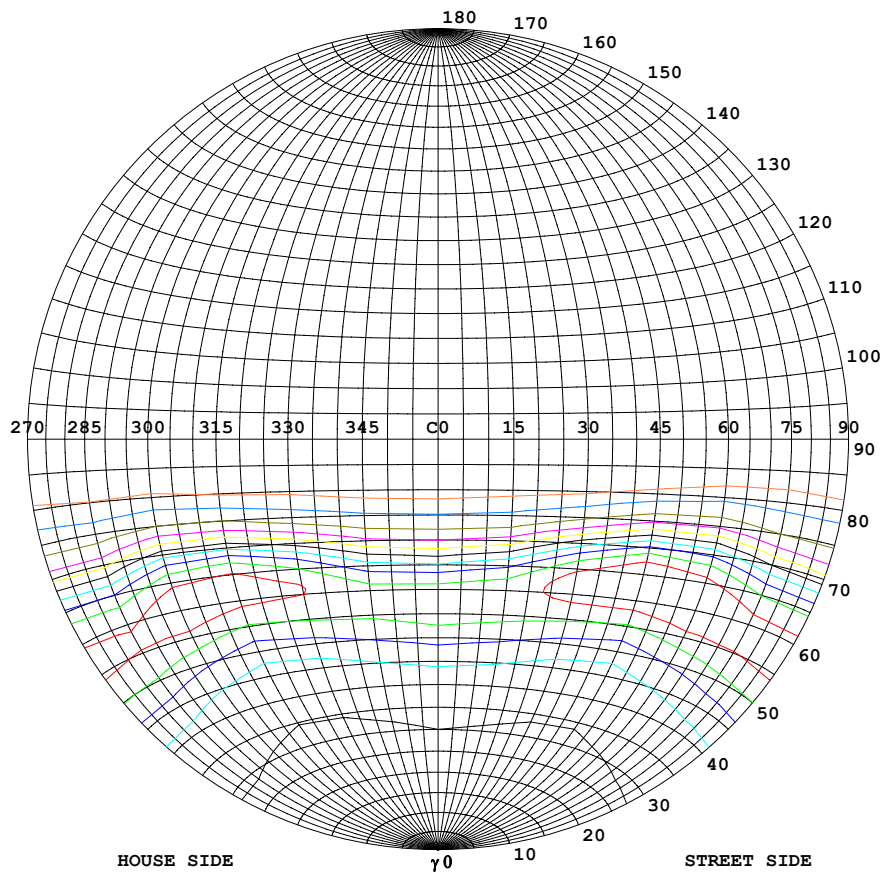
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANSMAX INTENSITY CONE SURFACE
DISTRIBUTION DIAGRAM

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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:



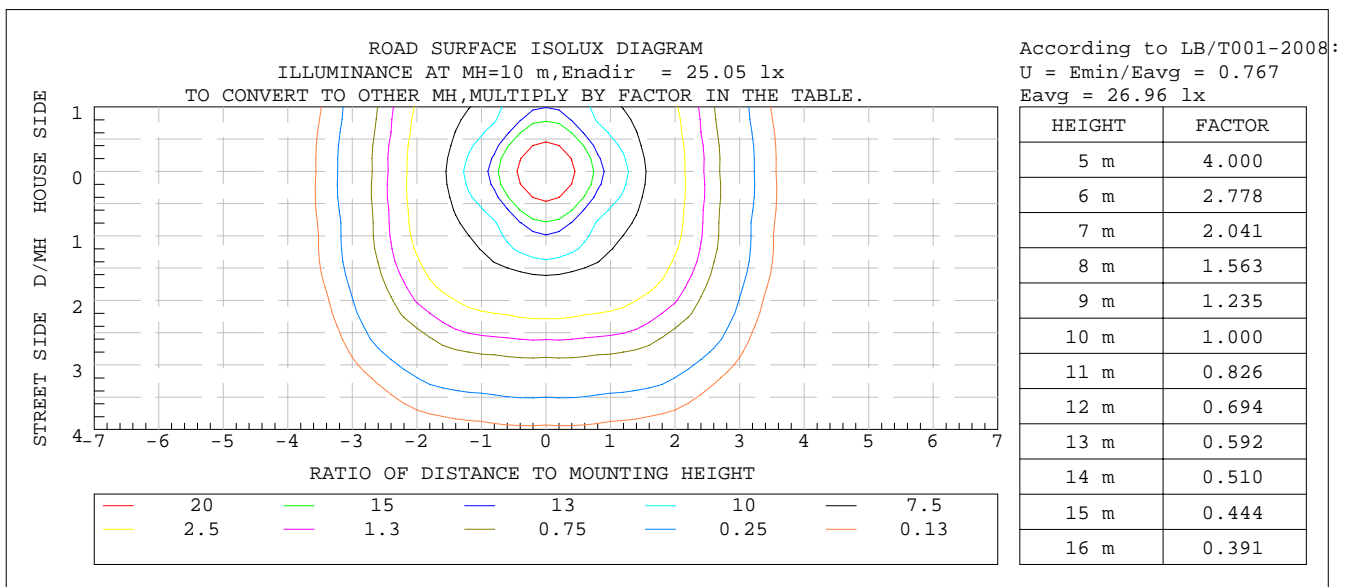
Classification:

IES:Type III - Short
CIE:Broad - Intermediate
IES:Full cut-off
CIE:Full cut-off
Max.At80:28.48cd/klm
Max.At90:0cd/klm
Max.80-90:28.48cd/klm
NRB 5101:Limited[3.5%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5455
90%	4909
80%	4364
70%	3818
60%	3273
50%	2727
40%	2182
30%	1636
20%	1091
10%	545
5%	273

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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:

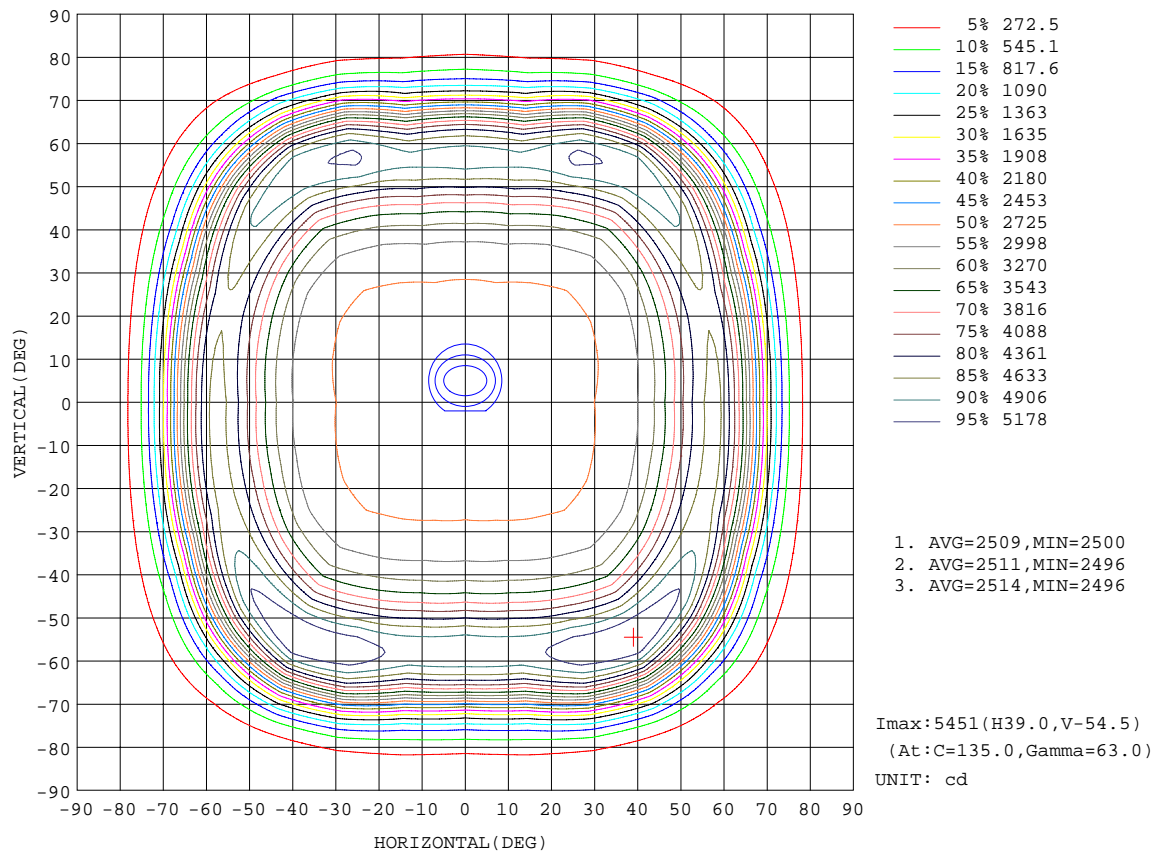
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	2516	2523	2526	2523	2516	2523	2523	2523	0- 10	239.7	239.7	1.49,1.49
20	2581	2586	2613	2586	2581	2581	2598	2581	10- 20	724.3	964.0	6,6
30	2722	2681	2779	2681	2722	2667	2756	2667	20- 30	1225	2189	13.6,13.6
40	2995	2878	3174	2878	2995	2864	3161	2864	30- 40	1776	3965	24.7,24.7
50	4021	3515	4355	3515	4021	3522	4390	3522	40- 50	2606	6571	40.9,40.9
60	4539	5210	5035	5210	4539	5041	4856	5041	50- 60	4084	10655	66.3,66.3
70	1610	3937	2417	3937	1610	3148	2032	3148	60- 70	4105	14760	91.9,91.9
80	186.1	347.1	376.2	347.1	186.1	255.4	316.3	255.4	70- 80	1203	15963	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	102.7	16066	100,100
100	0	0	0	0	0	0	0	0	90-100	0	16066	100,100
110	0	0	0	0	0	0	0	0	100-110	0	16066	100,100
120	0	0	0	0	0	0	0	0	110-120	0	16066	100,100
130	0	0	0	0	0	0	0	0	120-130	0	16066	100,100
140	0	0	0	0	0	0	0	0	130-140	0	16066	100,100
150	0	0	0	0	0	0	0	0	140-150	0	16066	100,100
160	0	0	0	0	0	0	0	0	150-160	0	16066	100,100
170	0	0	0	0	0	0	0	0	160-170	0	16066	100,100
180	0	0	0	0	0	0	0	0	170-180	0	16066	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

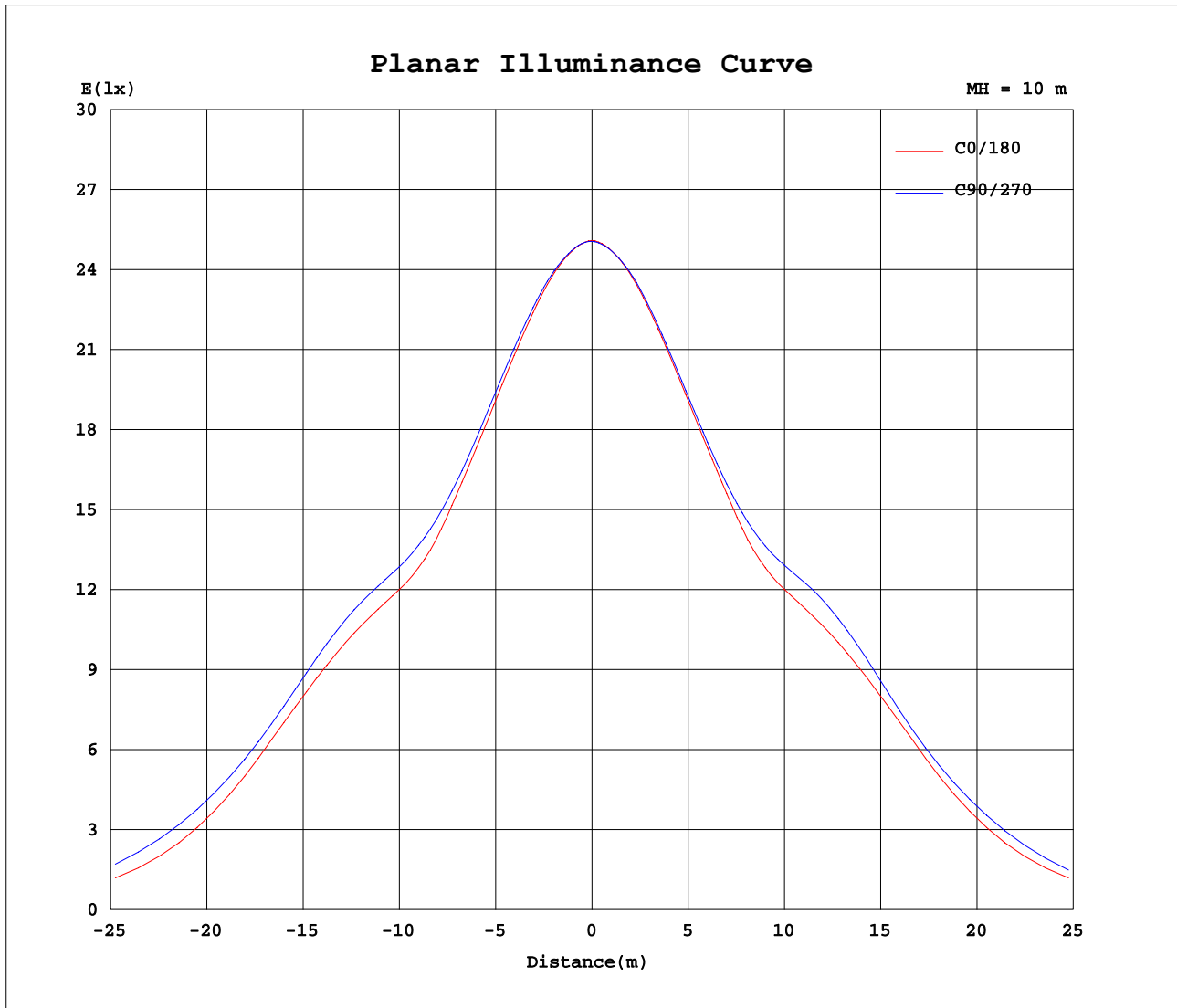
Test:U:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-NV-L3-5070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



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



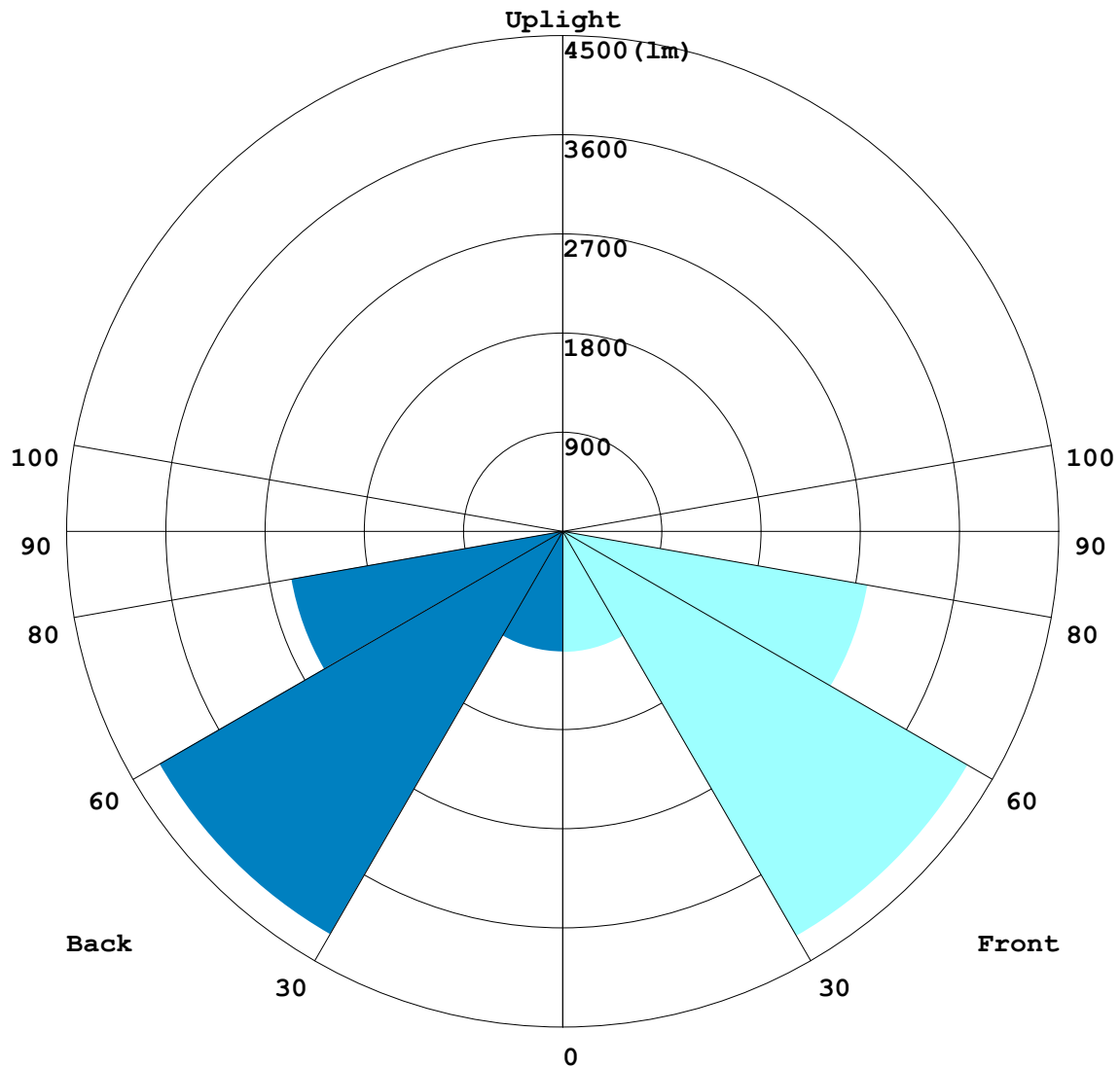
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-06-19

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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:

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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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)	1096.4	6.8
FM - Front-Medium(30-60)	4243.5	26.4
FH - Front-High(60-80)	2808.6	17.5
FVH - Front-Very High(80-90)	59.327	0.4
Total Forward Light	8207.9	51.1

BL - Back-Low(0-30)	1092.8	6.8
BM - Back-Medium(30-60)	4222.5	26.3
BH - Back-High(60-80)	2499.2	15.6
BVH - Back-Very High(80-90)	43.352	0.3
Total Back Light	7857.9	48.9

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	7857.9	0	7857.9
Street Side	8207.9	0	8207.9

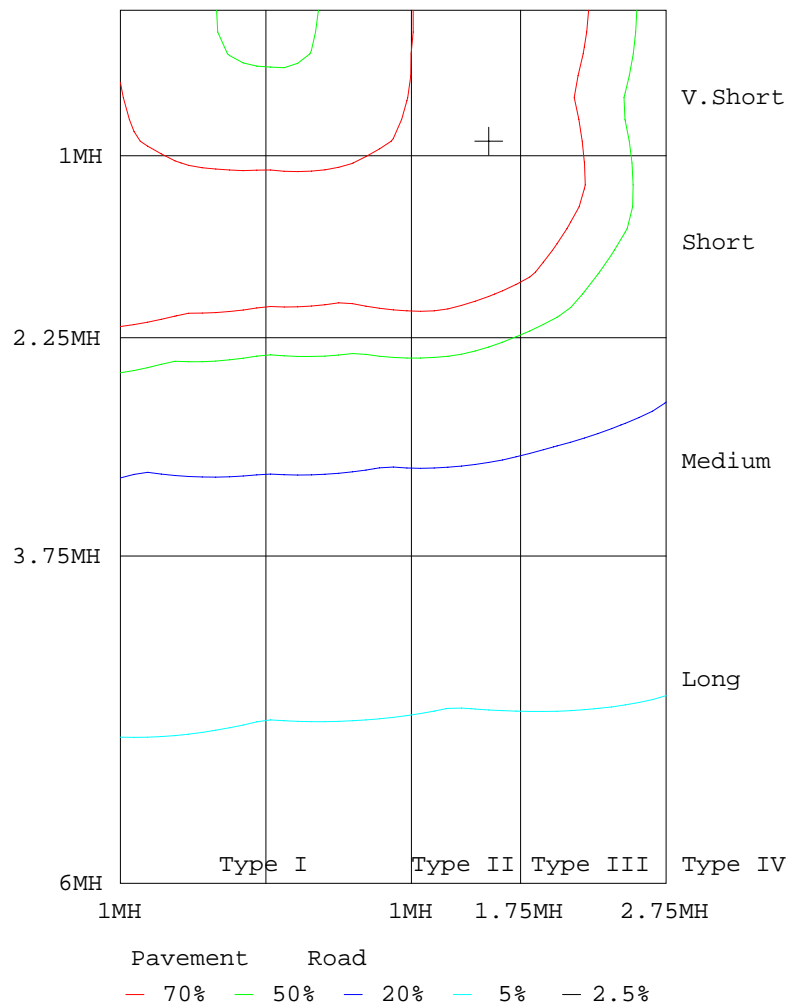
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-06-19

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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504
5	2504	2505	2506	2508	2509	2508	2509	2508	2509	2508	2506	2505	2504	2504	2505	2508	2508	2507	2505
10	2516	2517	2520	2523	2526	2526	2526	2526	2526	2523	2520	2517	2516	2518	2518	2523	2524	2526	2523
15	2542	2542	2548	2550	2555	2559	2562	2559	2555	2550	2548	2542	2542	2545	2543	2549	2552	2556	2554
20	2581	2578	2581	2586	2595	2606	2613	2606	2595	2586	2581	2578	2581	2582	2575	2581	2590	2599	2598
25	2639	2631	2627	2629	2647	2670	2683	2670	2647	2629	2627	2631	2639	2631	2617	2617	2639	2665	2662
30	2722	2702	2681	2681	2716	2760	2779	2760	2716	2681	2681	2702	2722	2697	2671	2667	2706	2753	2756
35	2833	2792	2754	2753	2816	2895	2923	2895	2816	2753	2754	2792	2833	2789	2745	2739	2800	2890	2902
40	2995	2954	2868	2878	2986	3117	3174	3117	2986	2878	2868	2954	2995	2941	2857	2864	2971	3129	3161
45	3389	3296	3120	3087	3300	3521	3634	3521	3300	3087	3120	3296	3389	3274	3102	3077	3295	3580	3649
50	4021	3885	3644	3515	3874	4194	4355	4194	3874	3515	3644	3885	4021	3858	3643	3522	3909	4293	4390
55	4600	4510	4425	4300	4720	4884	5007	4884	4720	4300	4425	4510	4600	4449	4403	4307	4742	4881	4974
60	4539	4683	5080	5210	5337	5052	5035	5052	5337	5210	5080	4683	4539	4548	4921	5041	5238	4810	4856
65	3319	3730	4800	5381	5082	4339	4223	4339	5082	5381	4800	3730	3319	3503	4383	4960	4767	3825	3924
70	1610	1904	3021	3937	3685	2696	2417	2696	3685	3937	3021	1904	1610	1765	2539	3148	3033	2021	2032
75	560	634	1001	1552	1531	1093	1006	1093	1531	1552	1001	634	560	599	810	1106	1095	784	820
80	186	193	237	347	458	411	376	411	458	347	237	193	186	191	233	255	324	279	316
85	58.2	59.3	56.9	62.3	113	119	111	119	113	62.3	56.9	59.3	58.2	57.3	55.1	40.9	52.0	56.9	73.6
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:219.2V I:0.6908A P:150.0W PF:0.9900 Freq:49.99Hz Lamp Flux:16065.7x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WIP-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	2504	2504	2504	2504	2504														
5	2507	2508	2508	2505	2504														
10	2526	2524	2523	2518	2518														
15	2556	2552	2549	2543	2545														
20	2599	2590	2581	2575	2582														
25	2665	2639	2617	2617	2631														
30	2753	2706	2667	2671	2697														
35	2890	2800	2739	2745	2789														
40	3129	2971	2864	2857	2941														
45	3580	3295	3077	3102	3274														
50	4293	3909	3522	3643	3858														
55	4881	4742	4307	4403	4449														
60	4810	5238	5041	4921	4548														
65	3825	4767	4960	4383	3503														
70	2021	3033	3148	2539	1765														
75	784	1095	1106	810	599														
80	279	324	255	233	191														
85	56.9	52.0	40.9	55.1	57.3														
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: