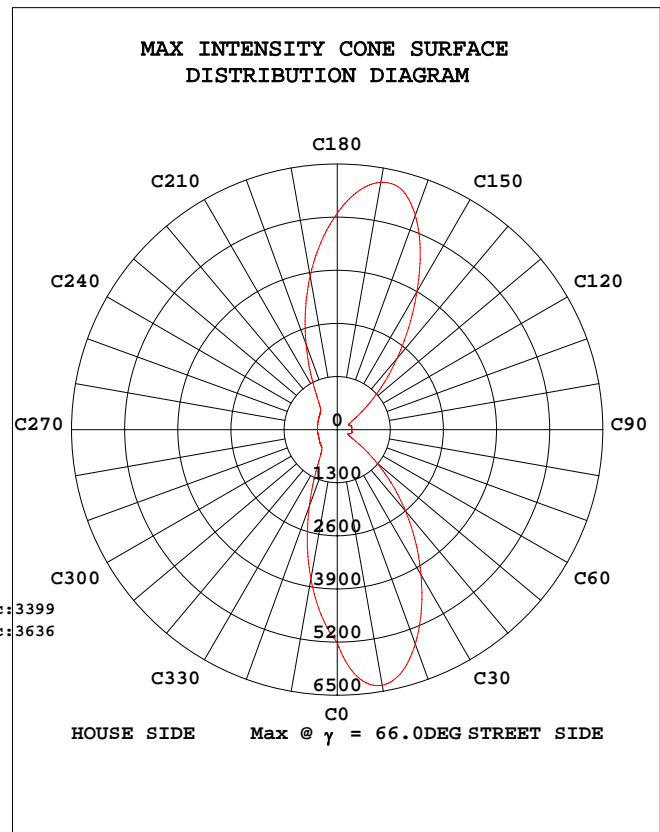
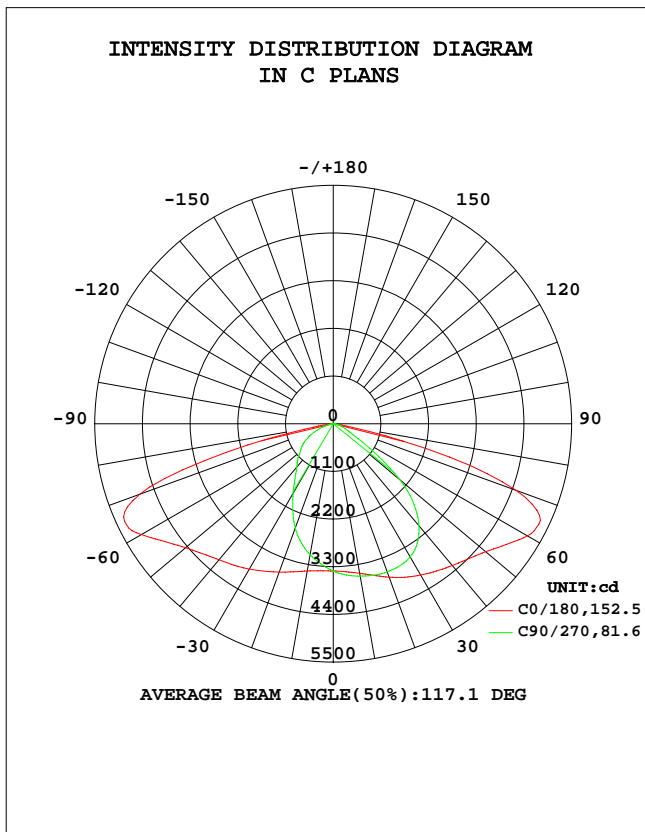


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.36 lm/W			
MODEL	3030	Imax(cd)	6133	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	60.9
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12670	η house_up(%)	0.0
NOMINAL FLUX(lm)	12670.1	MAXIMUM @(C, γ)	15,66.0	η house_down(%)	39.1
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.645

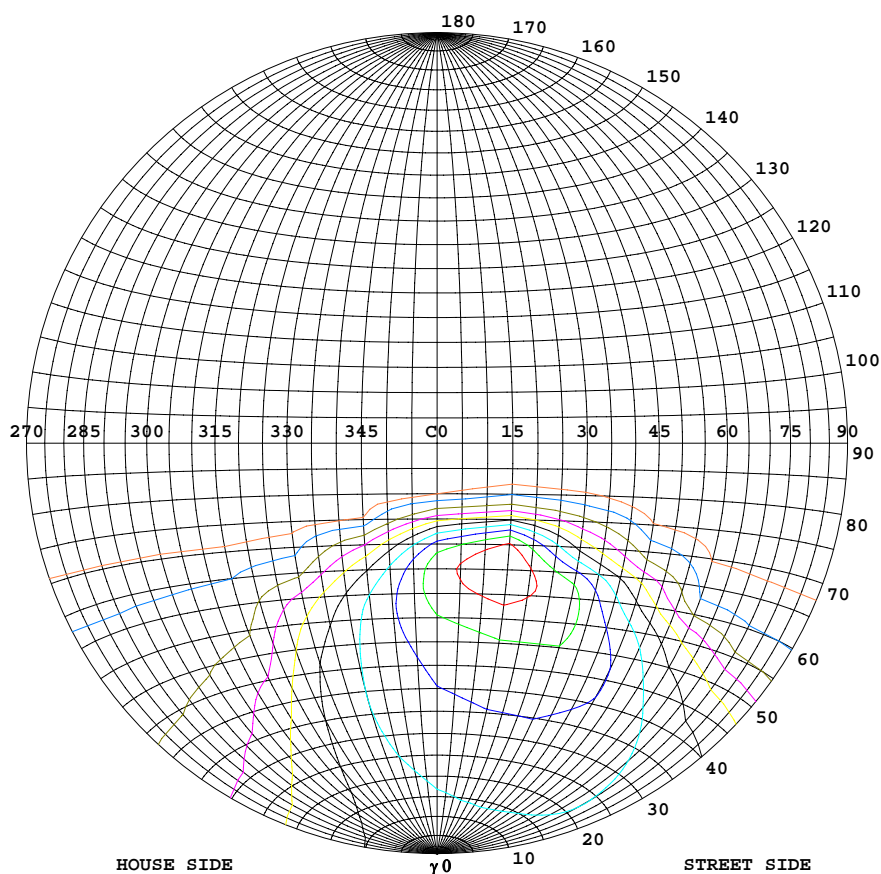


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:



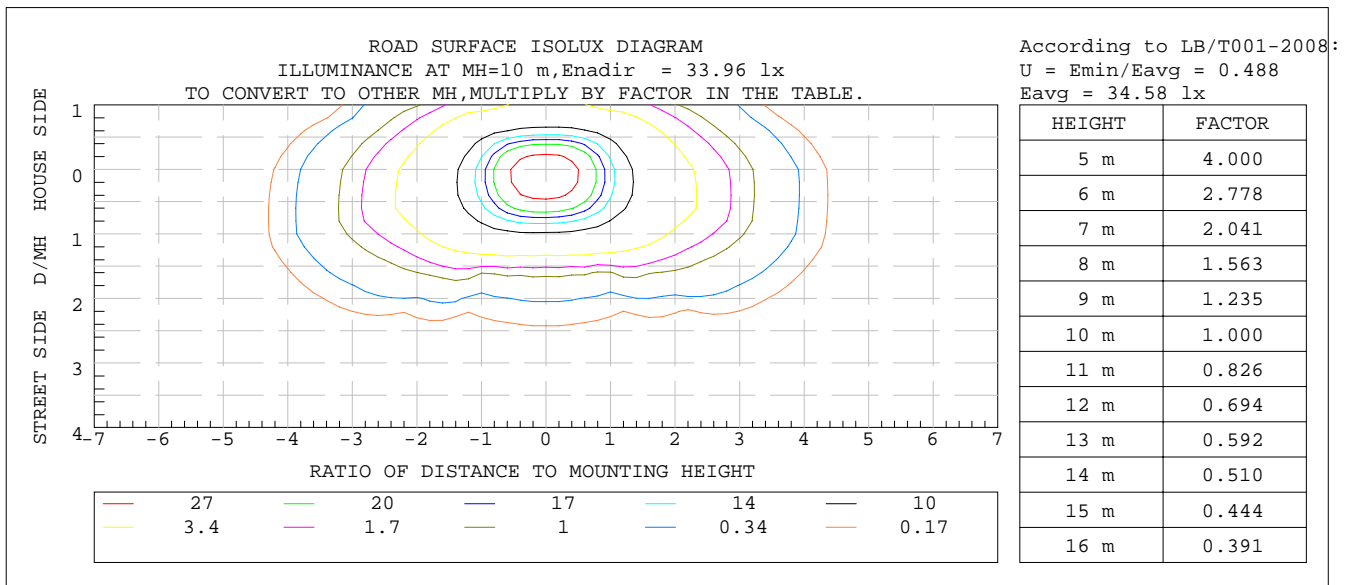
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:53.04cd/klm
Max.At90:0cd/klm
Max.80-90:53.04cd/klm
NRB 5101:Semi limited[18.4%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6133
90%	5519
80%	4906
70%	4293
60%	3680
50%	3066
40%	2453
30%	1840
20%	1227
10%	613
5%	307

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-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: 2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

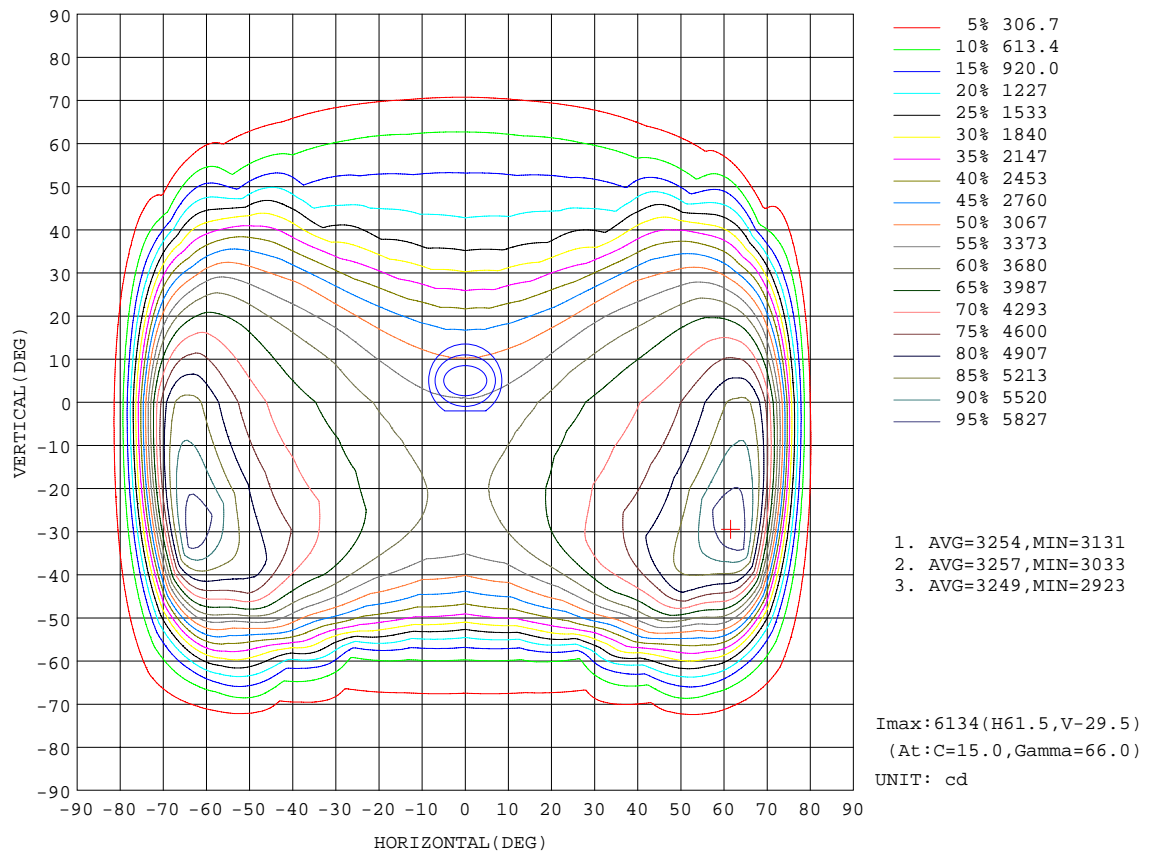
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3503	3592	3569	3557	3451	3213	3072	3233	0- 10	324.3	324.3	2.56,2.56
20	3767	3820	3636	3732	3643	3042	2562	3051	10- 20	965.1	1289	10.2,10.2
30	4032	4057	3549	3926	3871	2778	1854	2755	20- 30	1566	2855	22.5,22.5
40	4271	4274	3076	4102	4100	2320	1310	2262	30- 40	2065	4921	38.8,38.8
50	4593	4225	2001	3986	4448	1563	997.0	1475	40- 50	2400	7321	57.8,57.8
60	5173	3179	590.0	2960	5114	897.8	709.5	873.6	50- 60	2447	9768	77.1,77.1
70	4486	948.9	253.0	792.1	4744	385.6	331.7	350.8	60- 70	2029	11797	93.1,93.1
80	303.6	107.3	74.22	112.3	454.6	71.00	66.25	64.88	70- 80	817.6	12614	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	55.63	12670	100,100
100	0	0	0	0	0	0	0	0	90-100	0	12670	100,100
110	0	0	0	0	0	0	0	0	100-110	0	12670	100,100
120	0	0	0	0	0	0	0	0	110-120	0	12670	100,100
130	0	0	0	0	0	0	0	0	120-130	0	12670	100,100
140	0	0	0	0	0	0	0	0	130-140	0	12670	100,100
150	0	0	0	0	0	0	0	0	140-150	0	12670	100,100
160	0	0	0	0	0	0	0	0	150-160	0	12670	100,100
170	0	0	0	0	0	0	0	0	160-170	0	12670	100,100
180	0	0	0	0	0	0	0	0	170-180	0	12670	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:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

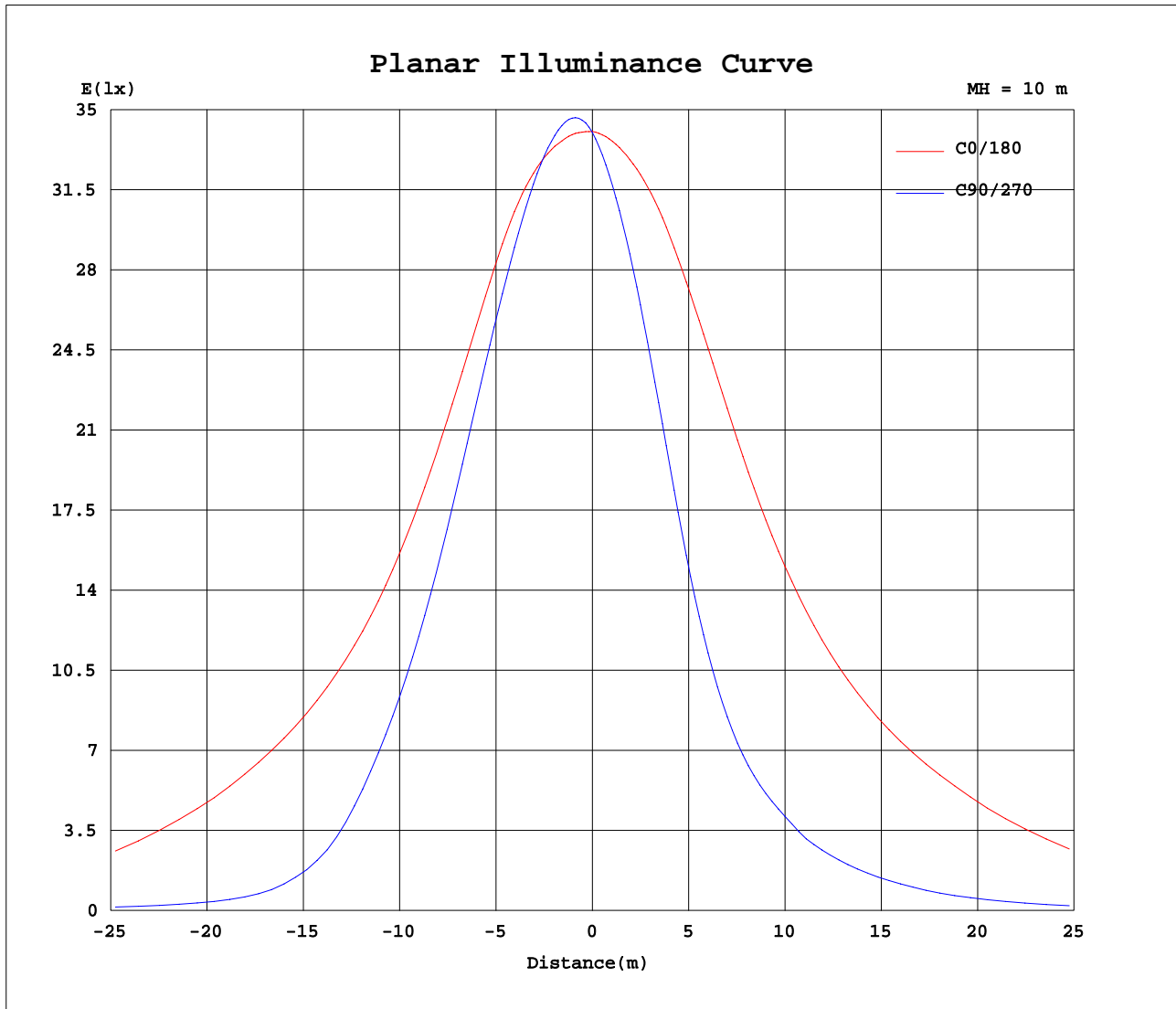
Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WILE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



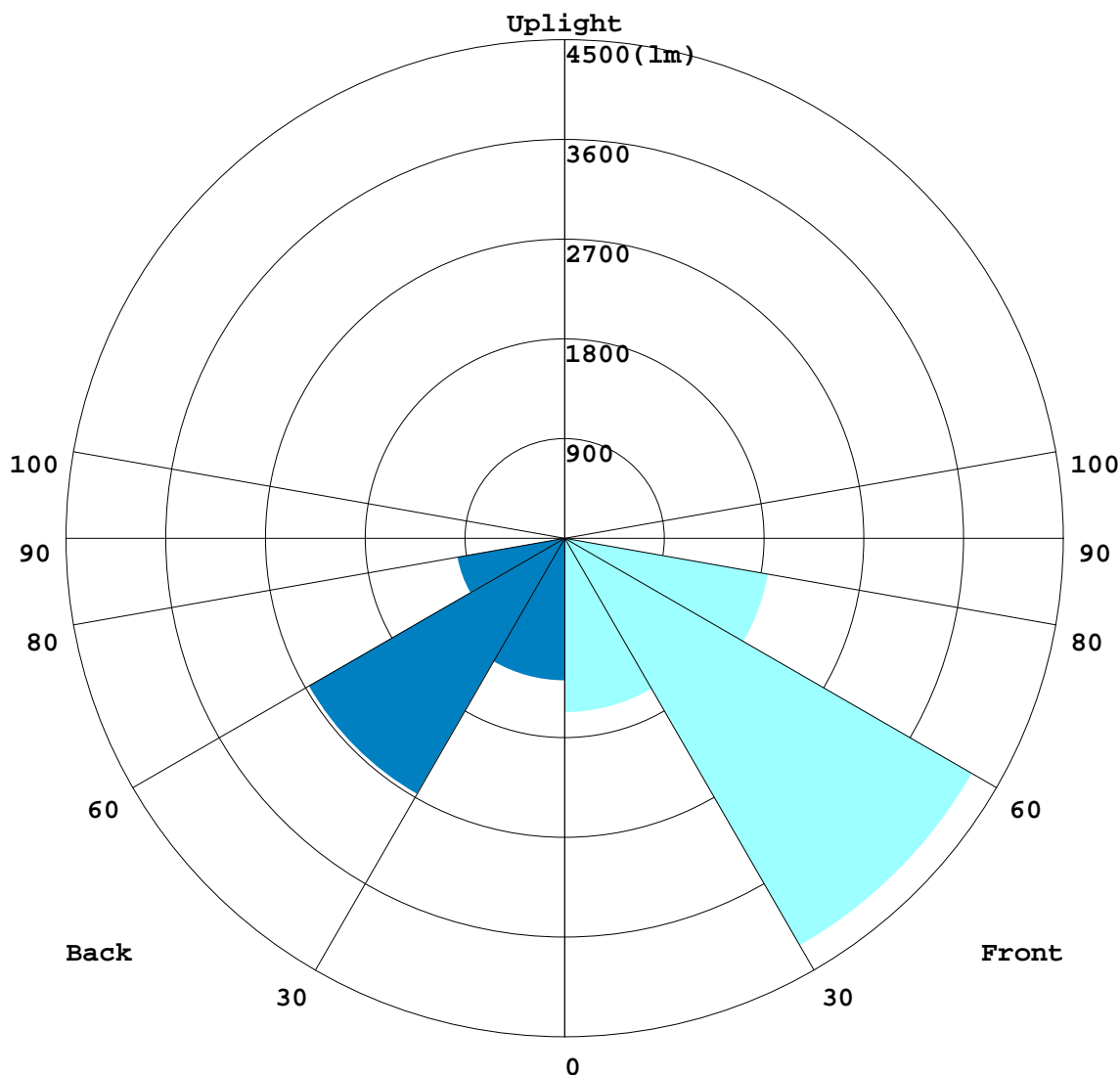
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*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:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1571.3	12.4
FM - Front-Medium(30-60)	4246.3	33.5
FH - Front-High(60-80)	1864.6	14.7
FVH - Front-Very High(80-90)	36.728	0.3
Total Forward Light	7719	60.9

BL - Back-Low(0-30)	1283.8	10.1
BM - Back-Medium(30-60)	2666.6	21.0
BH - Back-High(60-80)	981.8	7.7
BVH - Back-Very High(80-90)	18.897	0.1
Total Back Light	4951.1	39.1

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-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4951.1	0	4951.1
Street Side	7719	0	7719

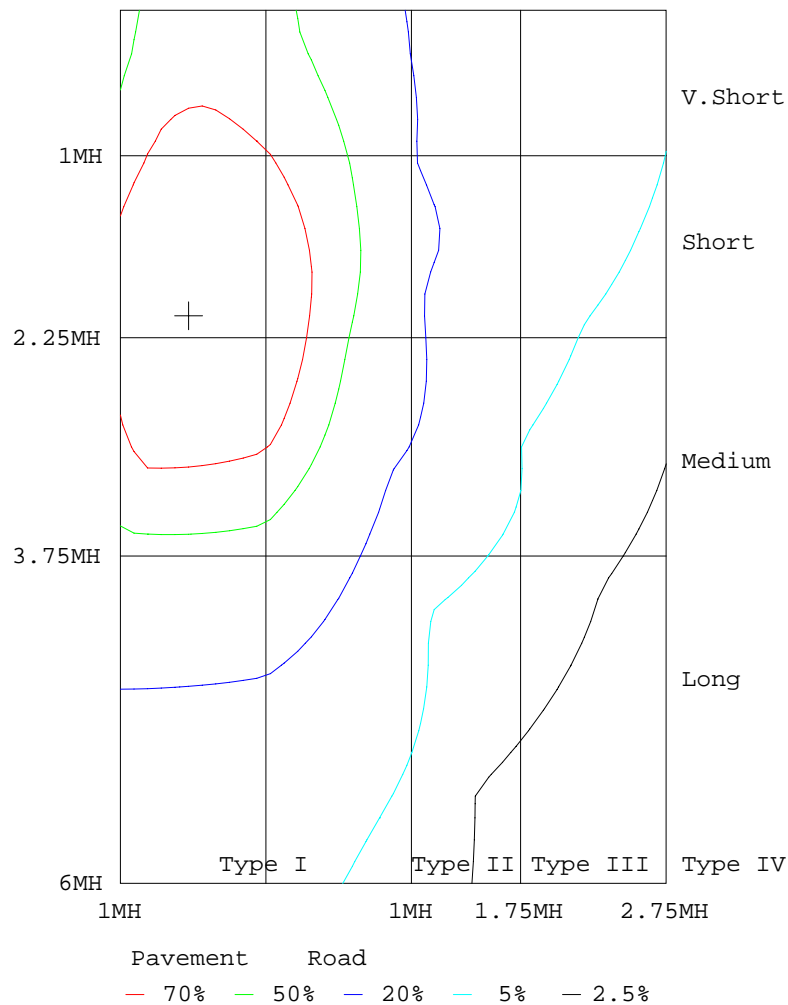
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*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:2024-12-11

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*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	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399	3399
5	3429	3458	3479	3492	3500	3505	3502	3501	3492	3480	3463	3438	3405	3373	3337	3301	3274	3253	3250
10	3503	3556	3586	3592	3585	3578	3569	3569	3563	3557	3540	3506	3451	3382	3294	3213	3141	3088	3072
15	3623	3693	3715	3700	3667	3637	3616	3619	3627	3638	3639	3606	3535	3428	3283	3132	2990	2879	2846
20	3767	3849	3861	3820	3744	3676	3636	3647	3684	3732	3752	3727	3643	3495	3287	3042	2805	2618	2562
25	3907	4001	4010	3940	3803	3679	3620	3647	3730	3830	3873	3851	3753	3569	3293	2925	2569	2296	2210
30	4032	4134	4151	4057	3845	3640	3549	3607	3759	3926	3999	3981	3871	3653	3299	2778	2281	1950	1854
35	4149	4267	4295	4175	3849	3519	3377	3477	3740	4023	4138	4111	3986	3727	3281	2576	1968	1629	1541
40	4271	4417	4456	4274	3753	3269	3076	3221	3625	4102	4294	4250	4100	3786	3224	2320	1644	1371	1310
45	4408	4600	4656	4310	3510	2874	2641	2817	3362	4119	4474	4430	4246	3850	3112	1991	1377	1215	1162
50	4593	4857	4884	4225	3071	2316	2001	2258	2913	3986	4674	4699	4448	3894	2919	1563	1194	1029	997
55	4862	5236	5098	3872	2406	1393	1163	1351	2239	3604	4880	5099	4741	3900	2618	1209	964	883	867
60	5173	5746	5137	3179	1176	661	590	658	1048	2960	4890	5615	5114	3763	2136	898	792	732	709
65	5273	6125	4407	2219	463	387	366	387	447	1924	4164	6055	5312	3210	1248	643	573	534	529
70	4486	5609	2873	949	294	264	253	266	288	792	2788	5527	4744	2109	537	386	358	332	332
75	2223	2994	1417	324	177	162	156	164	179	307	1409	2963	2561	627	249	182	179	172	169
80	304	594	365	107	81.4	78.6	74.2	80.6	86.2	112	347	672	455	143	95.1	71.0	71.4	70.4	66.3
85	40.4	61.4	54.2	26.9	19.9	19.8	17.9	21.1	23.3	31.8	63.2	86.6	56.8	34.9	25.5	18.4	16.8	14.4	13.7
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:2024-12-11

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T

Humidity:65.0%

Test Distance:7.682m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.2V I:0.4165A P:89.63W PF:0.9817 Freq:50.01Hz Lamp Flux:12670.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T201-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:201*175mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	3399	3399	3399	3399	3399													
5	3258	3280	3313	3352	3393													
10	3093	3153	3233	3326	3423													
15	2884	3000	3150	3320	3489													
20	2615	2803	3051	3331	3585													
25	2280	2552	2925	3349	3685													
30	1934	2251	2755	3352	3769													
35	1608	1931	2544	3332	3844													
40	1354	1593	2262	3266	3892													
45	1202	1351	1897	3133	3925													
50	1024	1169	1475	2920	3943													
55	879	952	1172	2577	3907													
60	722	773	874	2031	3675													
65	524	550	612	1077	3037													
70	326	340	351	468	1839													
75	167	169	161	204	342													
80	67.5	67.2	64.9	81.1	112													
85	13.3	14.7	14.7	19.7	25.5													
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:2024-12-11

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks: