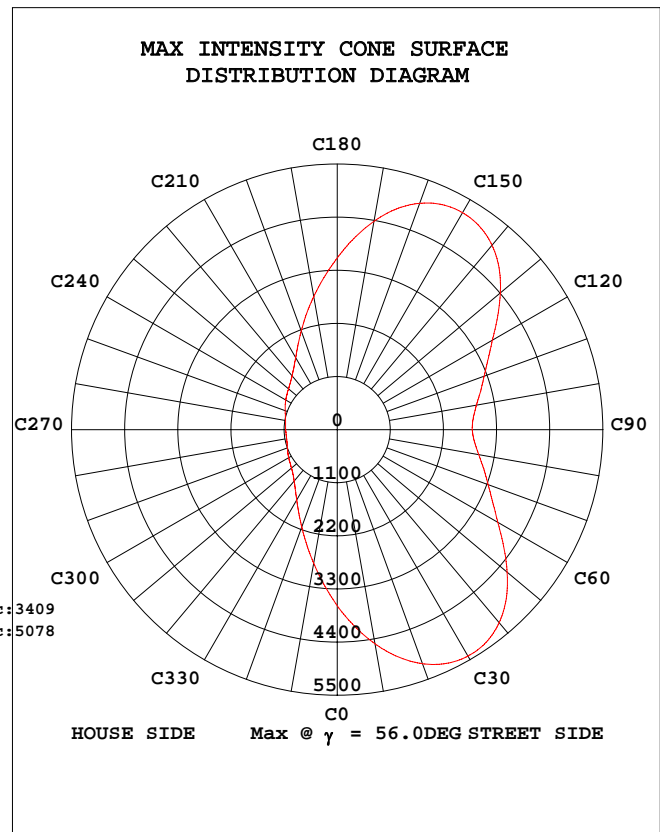
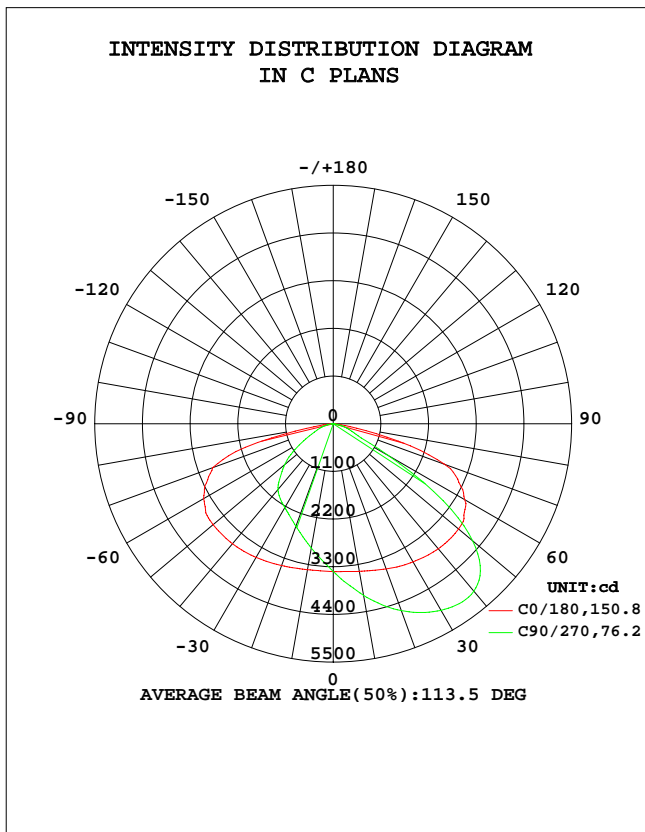


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.2V I:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.96 lm/W			
MODEL	3030	Imax(cd)	5412	η street_up(%)	0.0
NOMINAL POWER(W)	90	LOR(%)	100.0	η street_down(%)	67.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13443	η house_up(%)	0.0
NOMINAL FLUX(lm)	13443.1	MAXIMUM @(C, γ)	30,56.0	η house_down(%)	32.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	20.048

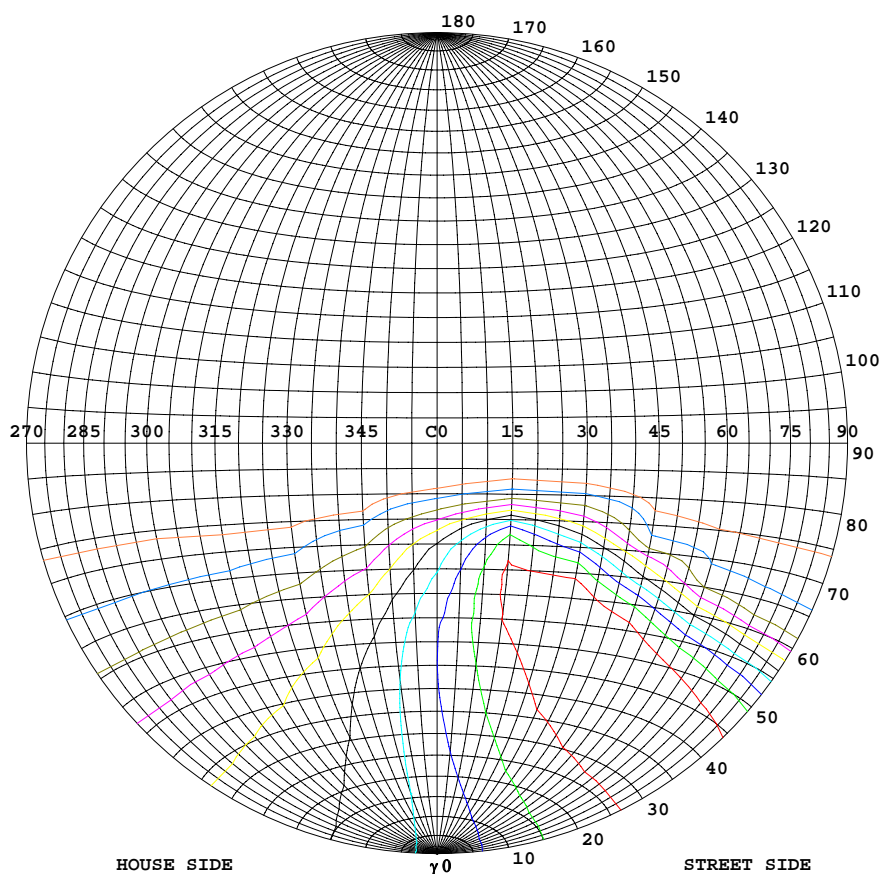


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



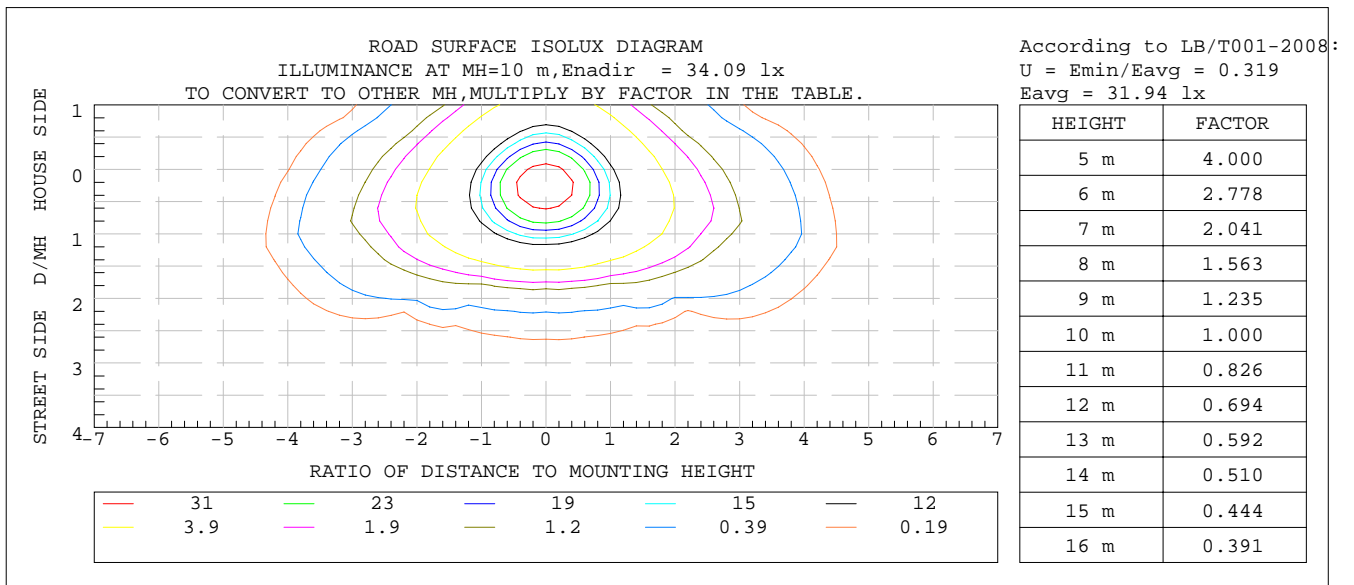
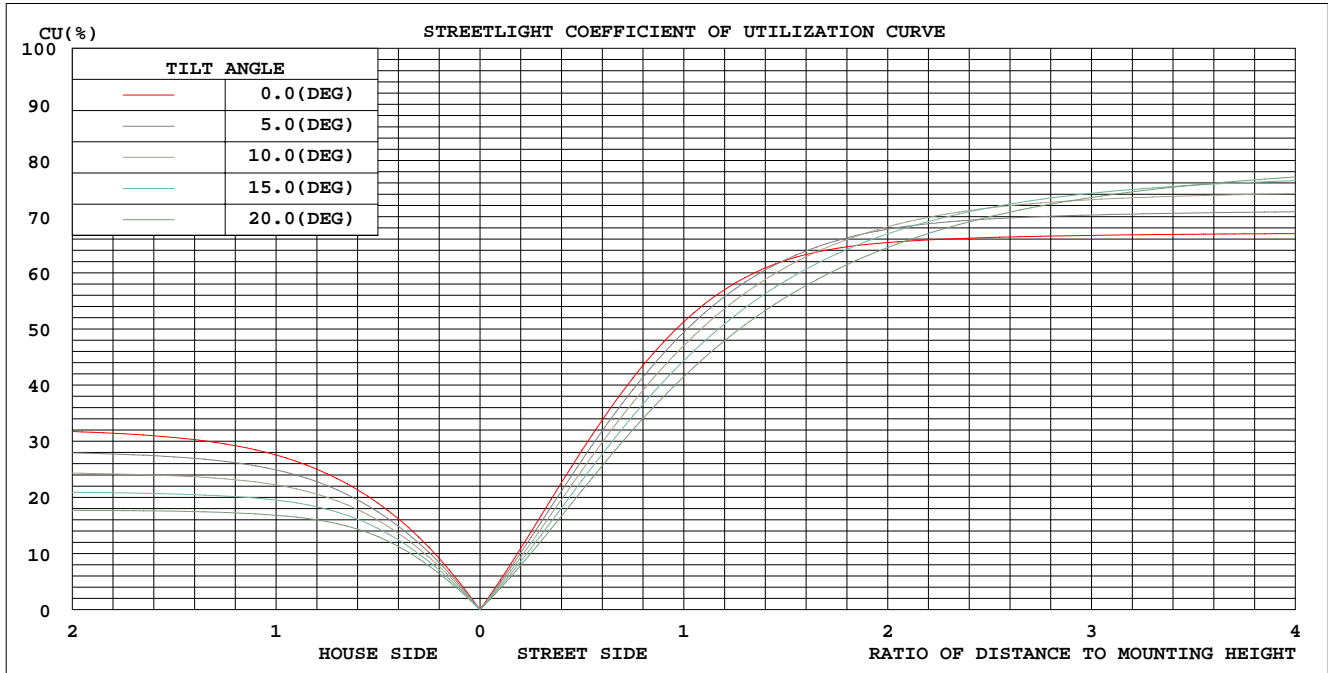
Classification:

IES:Type II - Short
CIE:Average - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:79.05cd/klm
Max.At90:0cd/klm
Max.80-90:79.05cd/klm
NRB 5101:Semi limited[23.0%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5412
90%	4871
80%	4330
70%	3788
60%	3247
50%	2706
40%	2165
30%	1624
20%	1082
10%	541
5%	271

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-26

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: 2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

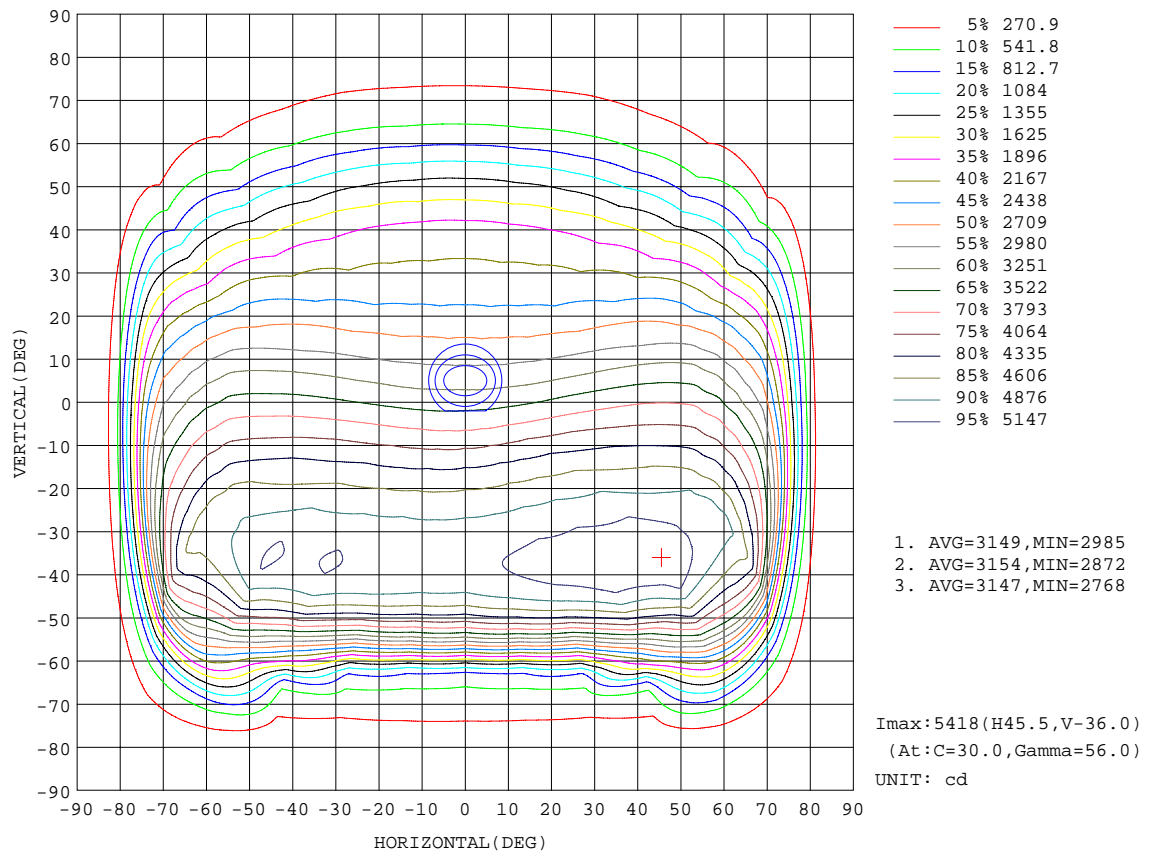
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3459	3878	4017	3834	3419	3051	2913	3056	0- 10	327.4	327.4	2.44,2.44
20	3564	4413	4586	4298	3482	2739	2516	2739	10- 20	992.9	1320	9.82,9.82
30	3681	4859	4971	4725	3561	2451	2235	2445	20- 30	1660	2980	22.2,22.2
40	3768	5210	5044	5064	3616	2165	1985	2156	30- 40	2284	5264	39.2,39.2
50	3775	5339	4193	5148	3620	1783	1461	1733	40- 50	2736	7999	59.5,59.5
60	3501	4248	1459	4054	3456	1097	787.3	1010	50- 60	2673	10672	79.4,79.4
70	2720	1325	392.4	1145	2959	404.2	364.0	372.5	60- 70	1845	12517	93.1,93.1
80	398.2	168.5	91.61	175.9	633.3	115.6	95.83	97.09	70- 80	842.6	13360	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	83.37	13443	100,100
100	0	0	0	0	0	0	0	0	90-100	0	13443	100,100
110	0	0	0	0	0	0	0	0	100-110	0	13443	100,100
120	0	0	0	0	0	0	0	0	110-120	0	13443	100,100
130	0	0	0	0	0	0	0	0	120-130	0	13443	100,100
140	0	0	0	0	0	0	0	0	130-140	0	13443	100,100
150	0	0	0	0	0	0	0	0	140-150	0	13443	100,100
160	0	0	0	0	0	0	0	0	150-160	0	13443	100,100
170	0	0	0	0	0	0	0	0	160-170	0	13443	100,100
180	0	0	0	0	0	0	0	0	170-180	0	13443	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:2024-12-26

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:

ISOCANDELA DIAGRAM

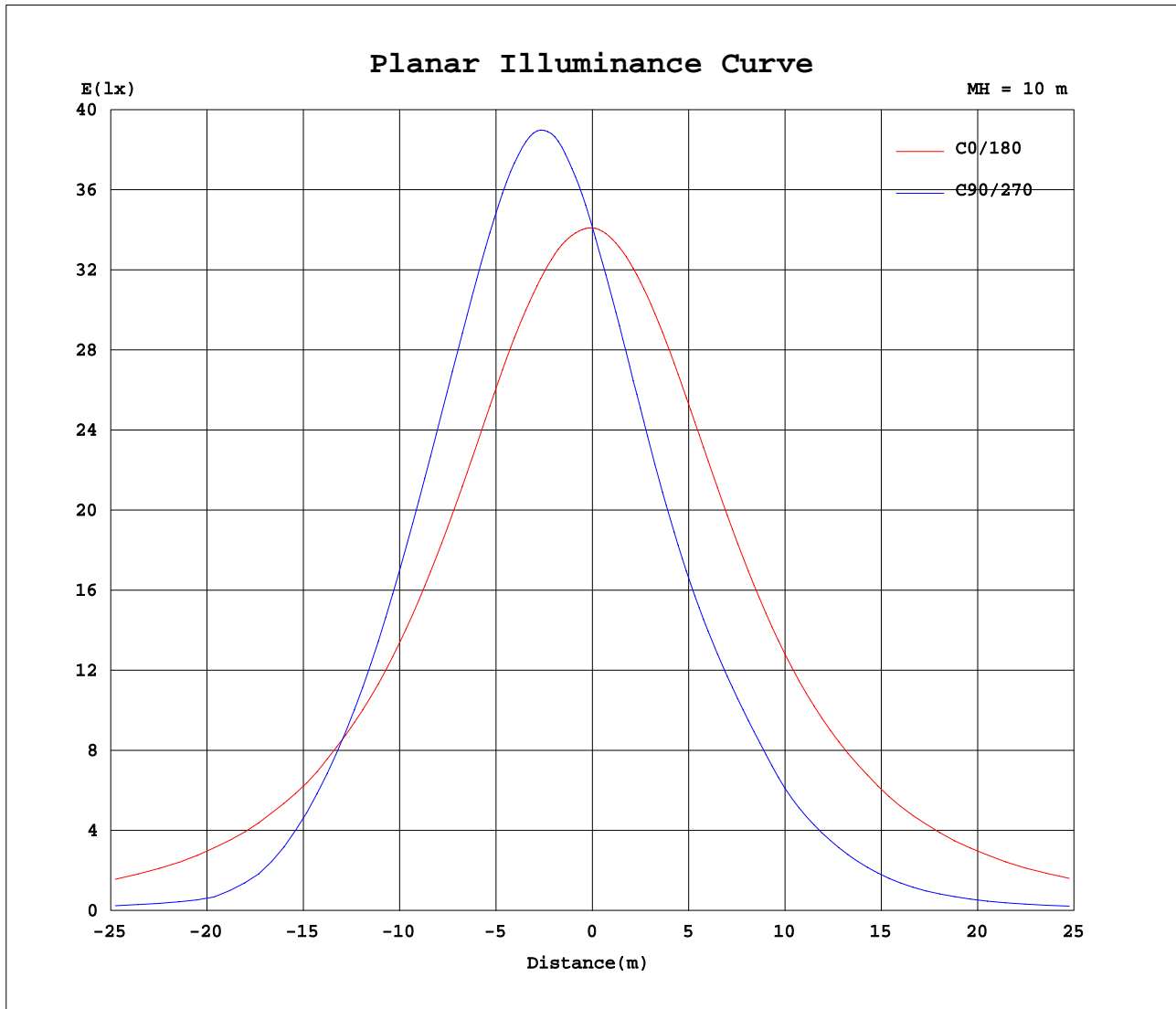
Test:U:219.2V I:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-26

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



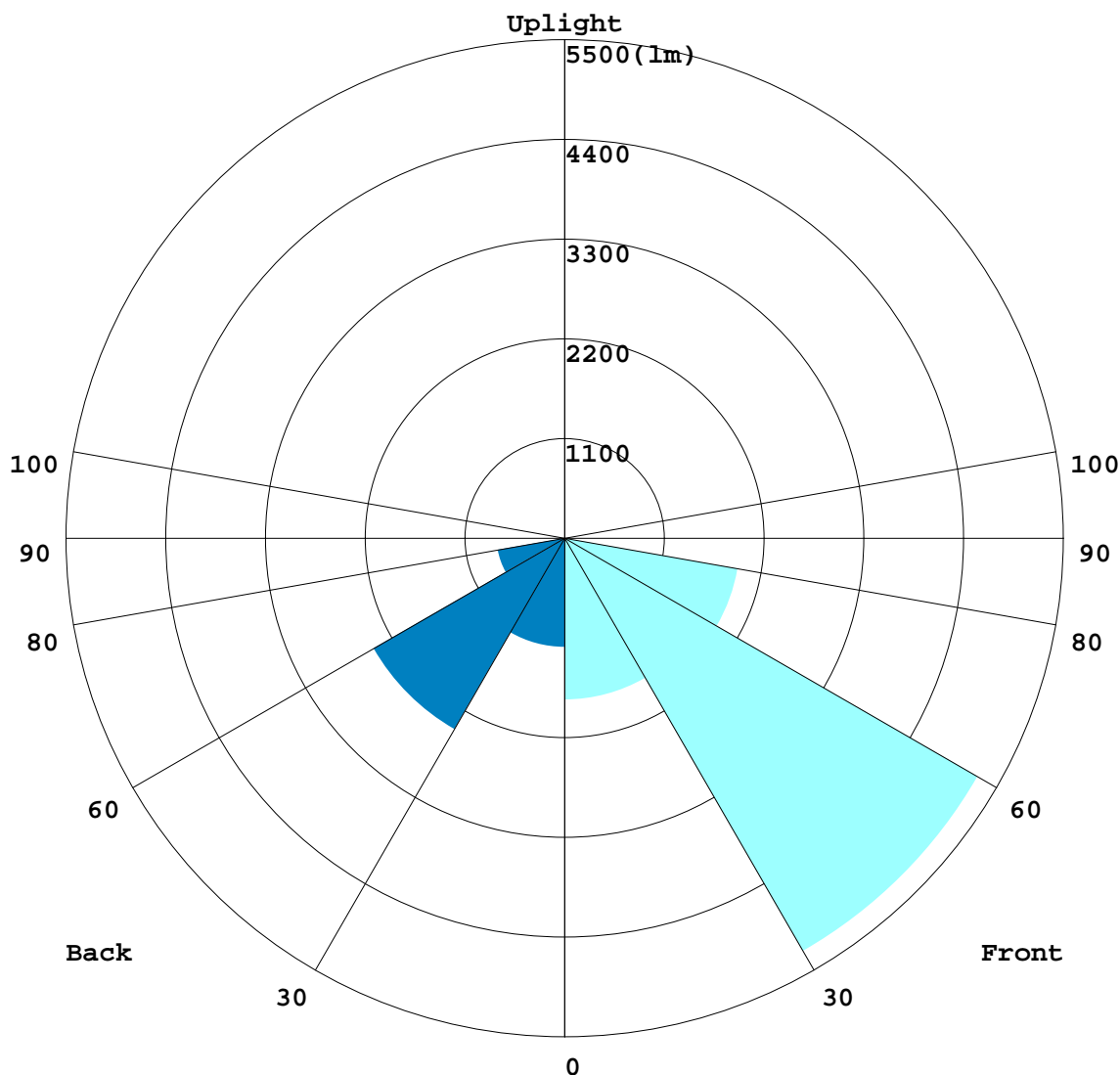
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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:2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1779.7	13.2
FM - Front-Medium(30-60)	5259.3	39.1
FH - Front-High(60-80)	1938.8	14.4
FVH - Front-Very High(80-90)	55.329	0.4
Total Forward Light	9033.1	67.2

BL - Back-Low(0-30)	1200.3	8.9
BM - Back-Medium(30-60)	2432.6	18.1
BH - Back-High(60-80)	749.15	5.6
BVH - Back-Very High(80-90)	28.044	0.2
Total Back Light	4410	32.8

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
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4410	0	4410
Street Side	9033.1	0	9033.1

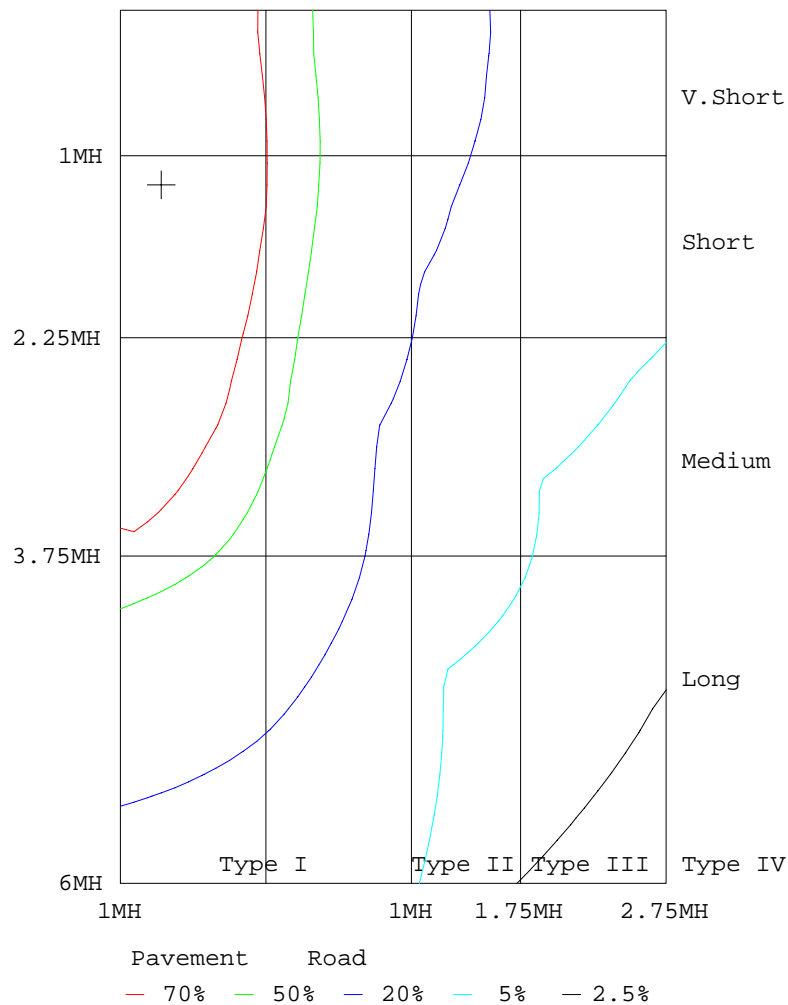
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	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	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410	3410
5	3424	3497	3566	3626	3671	3694	3702	3690	3661	3612	3551	3480	3407	3334	3267	3215	3175	3152	3145
10	3459	3613	3759	3878	3962	4007	4017	3987	3926	3834	3715	3572	3419	3271	3150	3051	2975	2927	2913
15	3503	3750	3983	4155	4263	4313	4320	4281	4198	4070	3896	3682	3445	3226	3043	2893	2786	2720	2705
20	3564	3905	4208	4413	4532	4585	4586	4545	4448	4298	4083	3803	3482	3190	2935	2739	2616	2537	2516
25	3628	4059	4418	4651	4764	4811	4806	4769	4677	4518	4273	3932	3522	3146	2826	2594	2457	2379	2360
30	3681	4200	4615	4859	4962	4992	4971	4949	4875	4725	4460	4058	3561	3102	2716	2451	2311	2248	2235
35	3729	4331	4797	5039	5126	5120	5066	5072	5032	4905	4635	4183	3593	3044	2598	2315	2188	2140	2126
40	3768	4460	4970	5210	5230	5149	5044	5087	5124	5064	4803	4306	3616	2967	2461	2165	2063	2011	1985
45	3785	4590	5139	5334	5195	4980	4801	4894	5070	5172	4963	4422	3621	2863	2291	2005	1888	1767	1723
50	3775	4735	5298	5339	4890	4457	4193	4358	4746	5148	5113	4554	3620	2727	2080	1783	1595	1500	1461
55	3678	4873	5407	5059	4076	3424	3097	3344	3939	4853	5191	4701	3587	2531	1788	1453	1299	1180	1142
60	3501	4973	5280	4248	2646	1797	1459	1766	2571	4054	5067	4765	3456	2204	1431	1097	936	822	787
65	3195	4936	4703	2830	1069	666	585	670	1059	2697	4473	4774	3227	1758	978	691	598	533	518
70	2720	4654	3515	1325	500	418	392	422	508	1145	3274	4594	2959	1185	534	404	382	370	364
75	1560	3160	1906	400	278	247	236	251	281	400	1964	3633	2100	567	262	241	245	234	226
80	398	788	599	169	120	101	91.6	102	126	176	641	1063	633	156	120	116	118	105	95.8
85	54.1	86.8	92.5	44.1	30.0	25.6	22.2	25.3	32.2	51.0	127	135	81.2	46.9	38.7	32.3	32.9	28.9	28.0
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:2024-12-26

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:0.4223A P:90.86W PF:0.9815 Freq:50.01Hz Lamp Flux:13443.1x1 lm		
NAME: AoK ILE	TYPE:LED STREET LIGHT	WEIGHT:4.8KG
SPEC.:AOK-90WiLE-NV-L3-00-5070-T221-P	DIM.: 601*240*60mm	SERIAL No.:
MFR.: AOK	SUR.:175*208mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3410	3410	3410	3410	3410														
5	3154	3180	3221	3276	3346														
10	2928	2976	3056	3166	3299														
15	2720	2783	2893	3059	3259														
20	2534	2609	2739	2950	3225														
25	2379	2447	2587	2835	3187														
30	2247	2305	2445	2721	3145														
35	2134	2180	2310	2599	3093														
40	1995	2044	2156	2459	3019														
45	1739	1848	1974	2291	2916														
50	1468	1539	1733	2062	2767														
55	1147	1232	1371	1751	2528														
60	793	868	1010	1353	2173														
65	516	563	630	866	1665														
70	362	369	373	460	1030														
75	226	228	219	233	418														
80	93.8	107	97.1	100	129														
85	26.2	27.3	25.4	29.4	37.4														
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:yanyonggeng

Test Date:2024-12-26

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: