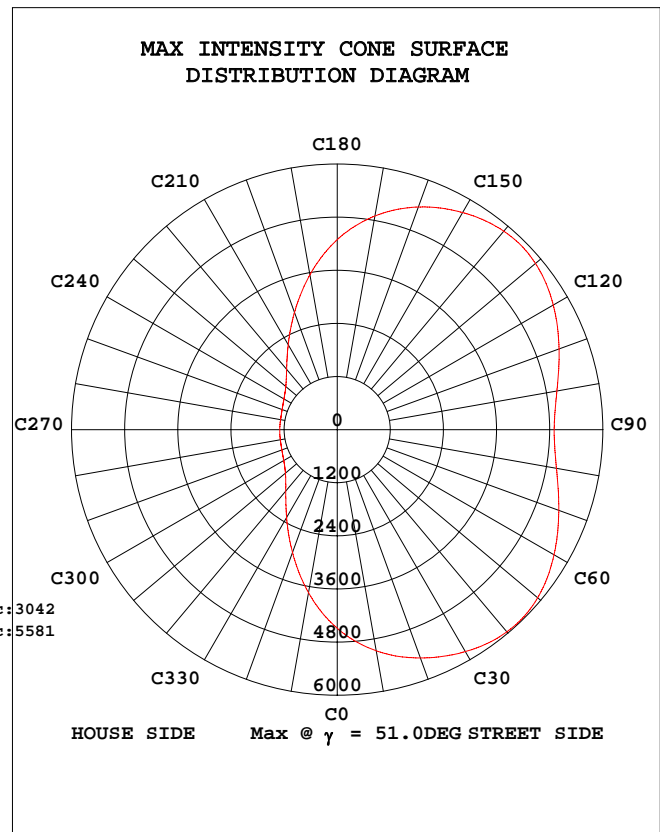
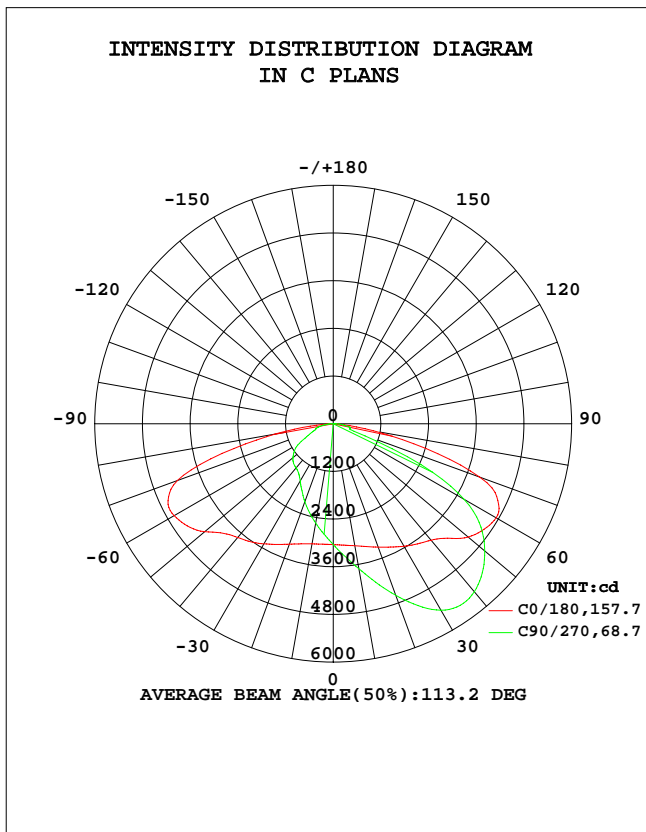


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 198.02 lm/W			
MODEL	5050	I _{max} (cd)	5967	η street_up(%)	0.0
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	68.8
RATED VOLTAGE(V)		TOTAL FLUX(lm)	15936	η house_up(%)	0.0
NOMINAL FLUX(lm)	15936	MAXIMUM @(C,γ)	45,51.0	η house_down(%)	31.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)		η down(%)	100.0	SLI	21.695

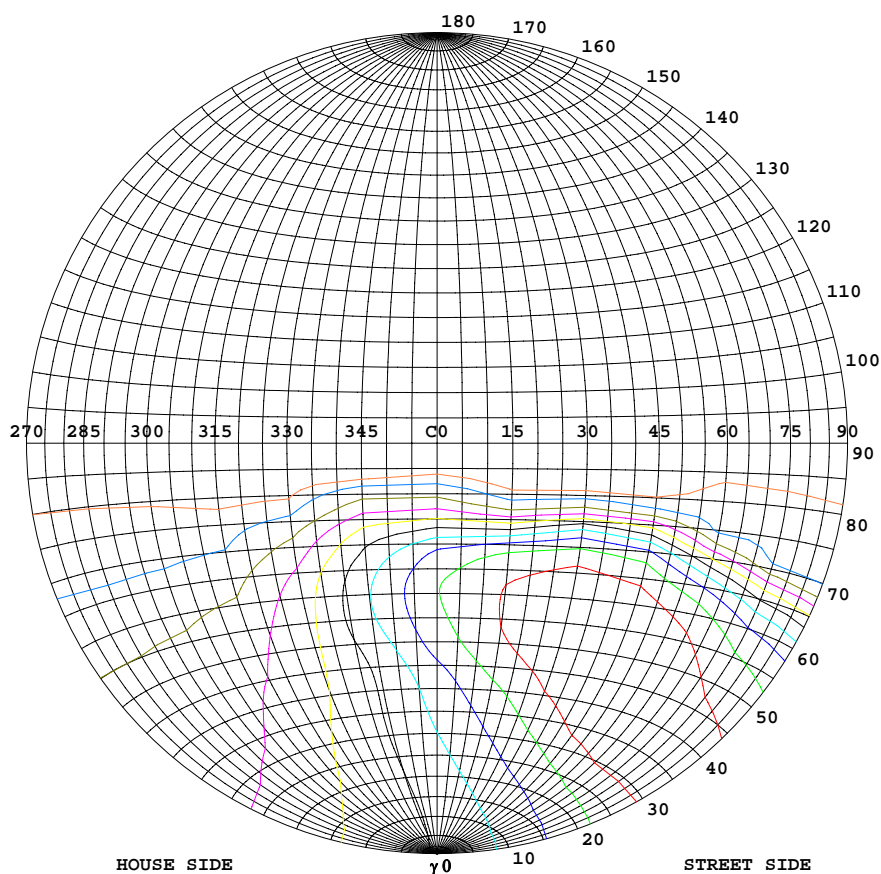


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



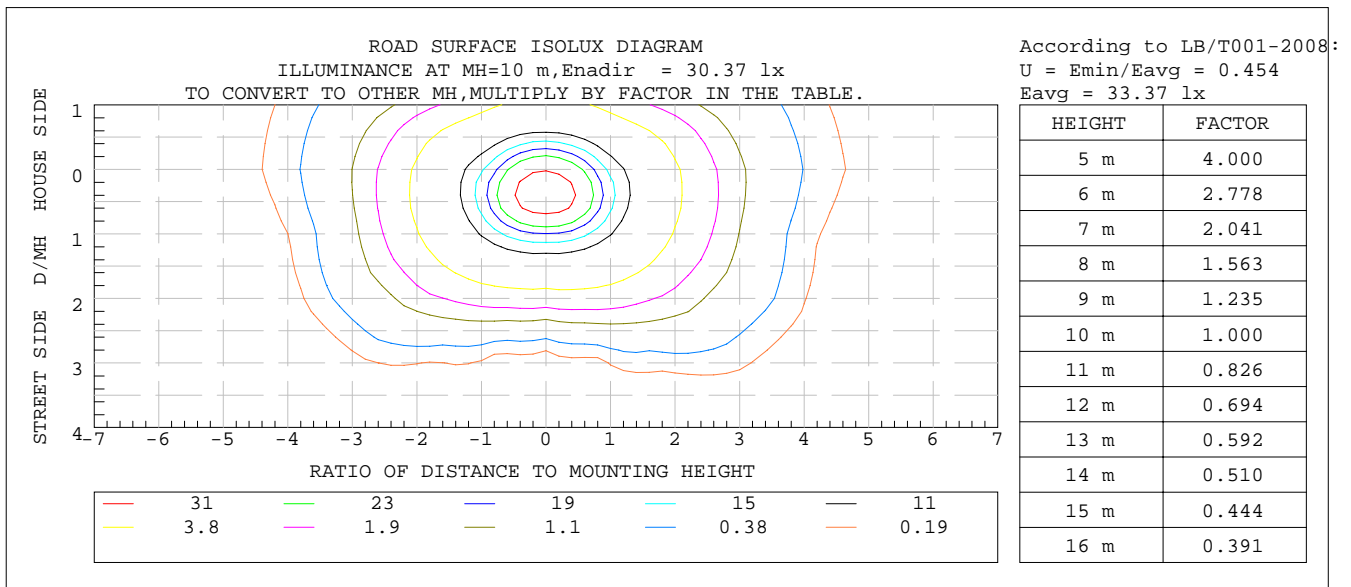
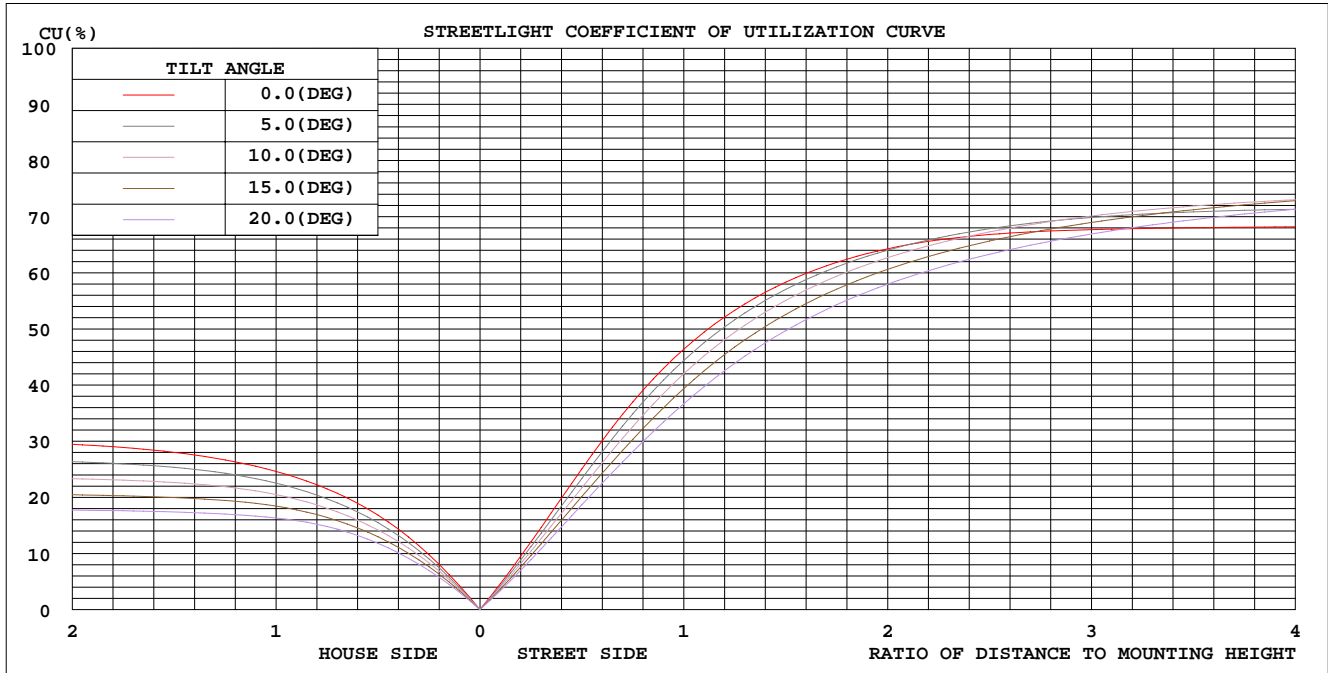
Classification:

IES:Type III - Very Short
CIE:Average - Short
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:91.52cd/klm
Max.At90:0cd/klm
Max.80-90:91.52cd/klm
NRB 5101:Semi limited[16.2%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5967
90%	5370
80%	4773
70%	4177
60%	3580
50%	2983
40%	2387
30%	1790
20%	1193
10%	597
5%	298

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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: 2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

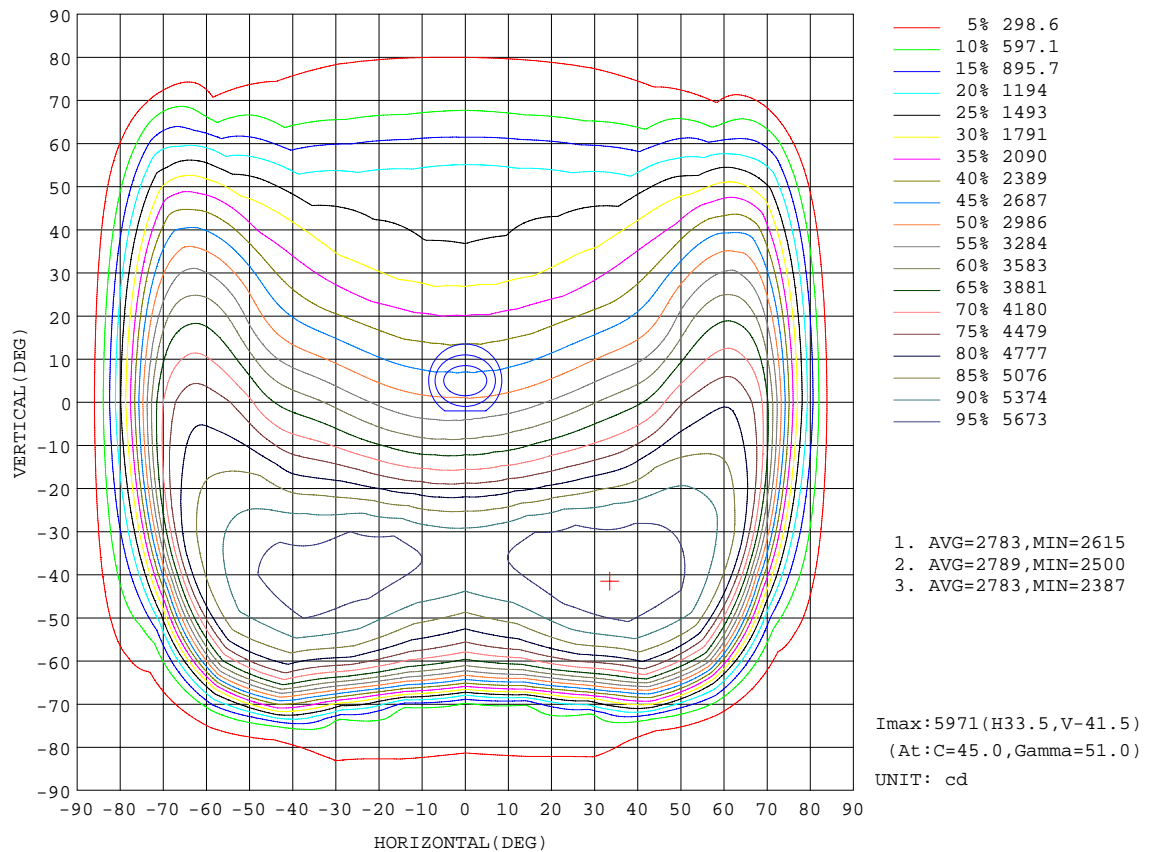
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
10	3119	3536	3701	3493	3071	2680	2543	2708	0- 10	293.4	293.4	1.84,1.84
20	3305	4222	4593	4156	3226	2392	2090	2444	10- 20	908.8	1202	7.54,7.54
30	3560	5083	5418	5026	3491	2125	1666	2179	20- 30	1595	2797	17.5,17.5
40	3828	5772	5520	5723	3738	1866	1456	1920	30- 40	2301	5098	32,32
50	4436	5964	4974	5878	4226	1656	1324	1679	40- 50	2902	8000	50.2,50.2
60	4735	5676	3803	5661	4625	1290	985.0	1279	50- 60	3295	11295	70.9,70.9
70	3916	4285	560.1	4504	4172	640.8	515.9	622.7	60- 70	2996	14291	89.7,89.7
80	1033	301.7	359.6	428.6	1458	265.6	296.3	233.2	70- 80	1432	15724	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	212.3	15936	100,100
100	0	0	0	0	0	0	0	0	90-100	0	15936	100,100
110	0	0	0	0	0	0	0	0	100-110	0	15936	100,100
120	0	0	0	0	0	0	0	0	110-120	0	15936	100,100
130	0	0	0	0	0	0	0	0	120-130	0	15936	100,100
140	0	0	0	0	0	0	0	0	130-140	0	15936	100,100
150	0	0	0	0	0	0	0	0	140-150	0	15936	100,100
160	0	0	0	0	0	0	0	0	150-160	0	15936	100,100
170	0	0	0	0	0	0	0	0	160-170	0	15936	100,100
180	0	0	0	0	0	0	0	0	170-180	0	15936	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:2024-6-25

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

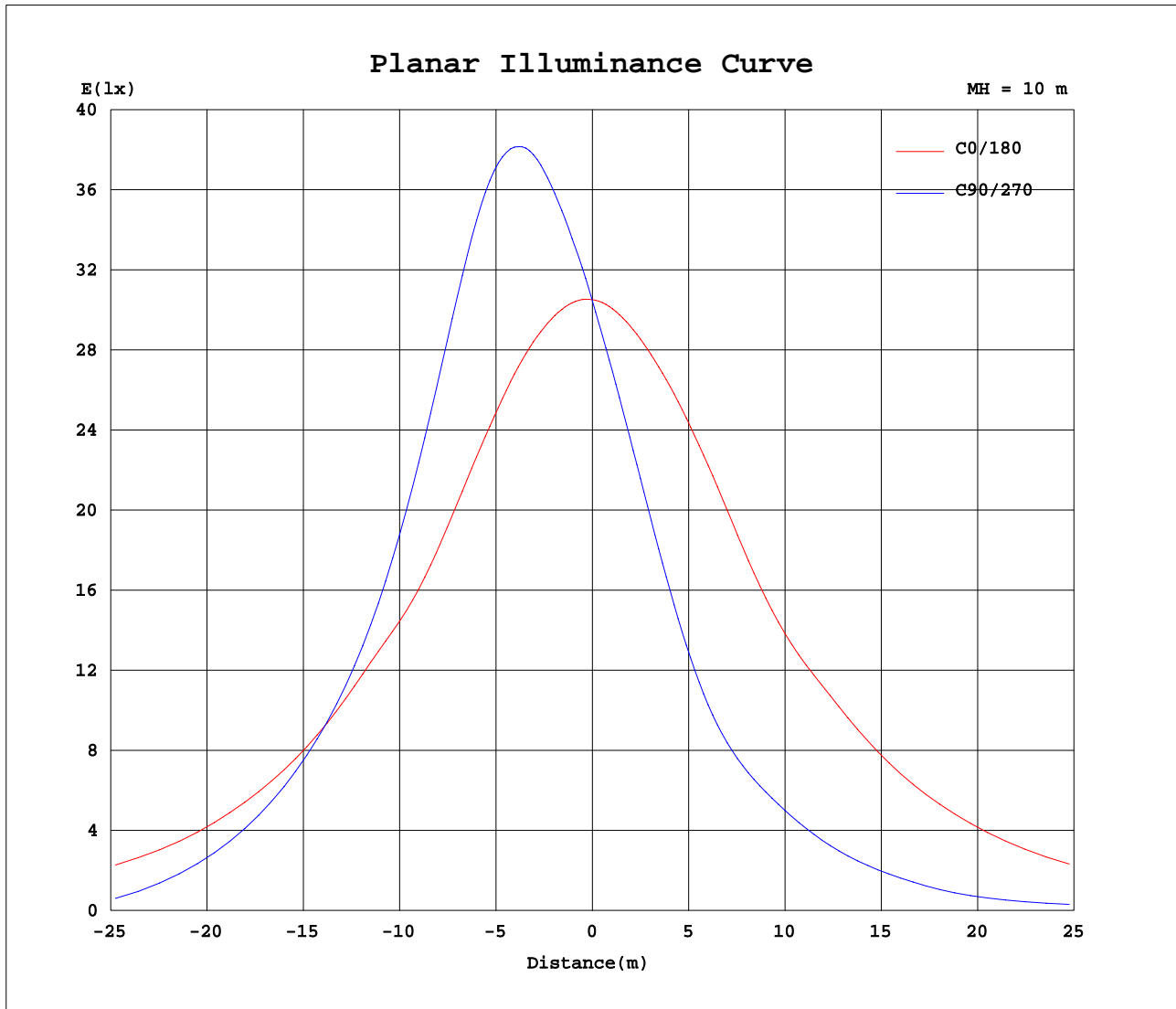
Test:U:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:yanyonggeng
Test Date:2024-6-25

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



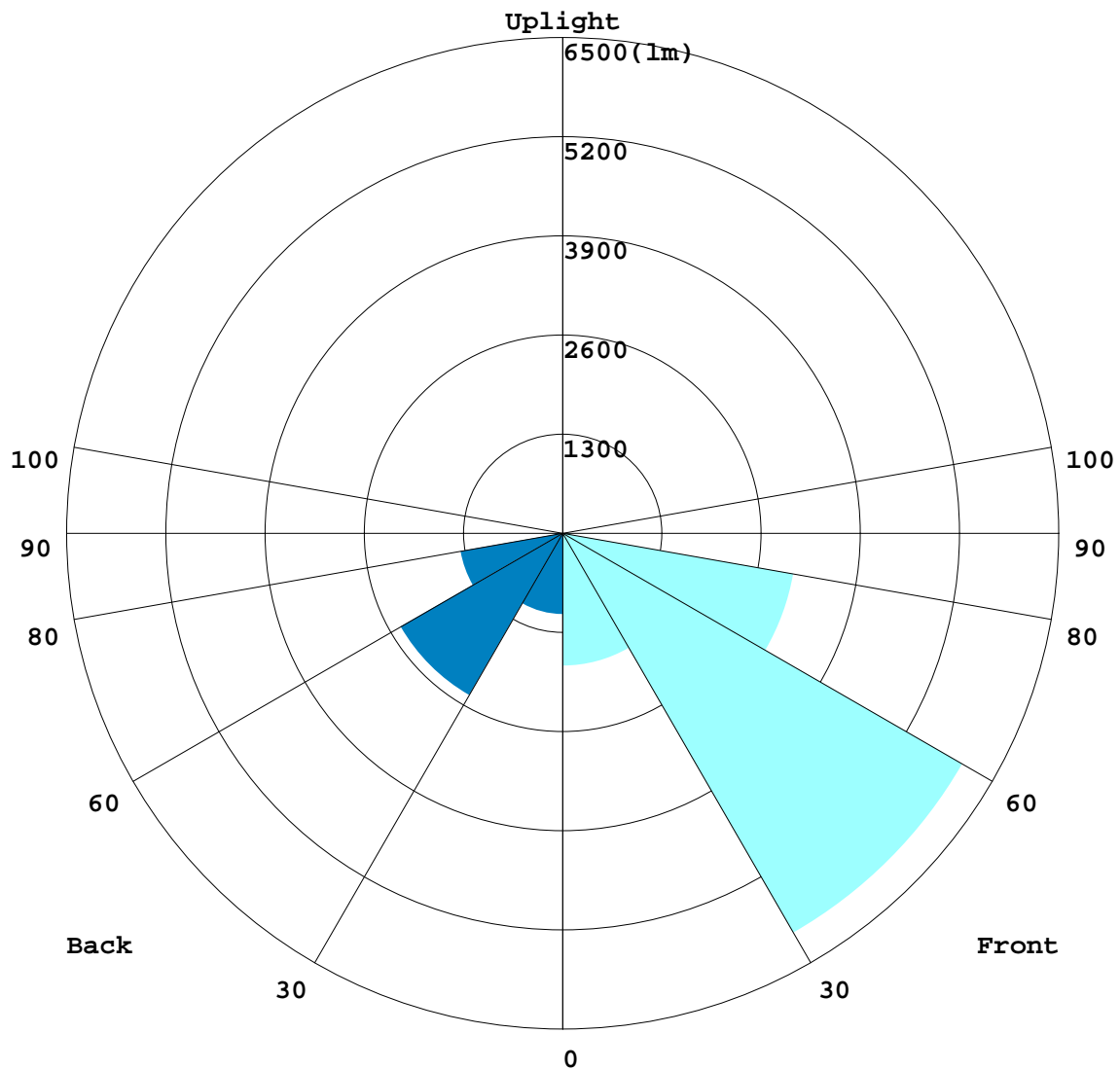
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: yanyonggeng
Test Date: 2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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:2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1736.2	10.9
FM - Front-Medium(30-60)	6048.5	38.0
FH - Front-High(60-80)	3069.3	19.3
FVH - Front-Very High(80-90)	109.77	0.7
Total Forward Light	10964	68.8

BL - Back-Low(0-30)	1060.5	6.7
BM - Back-Medium(30-60)	2450.1	15.4
BH - Back-High(60-80)	1359.1	8.5
BVH - Back-Very High(80-90)	102.54	0.6
Total Back Light	4972.3	31.2

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	4972.3	0	4972.3
Street Side	10964	0	10964

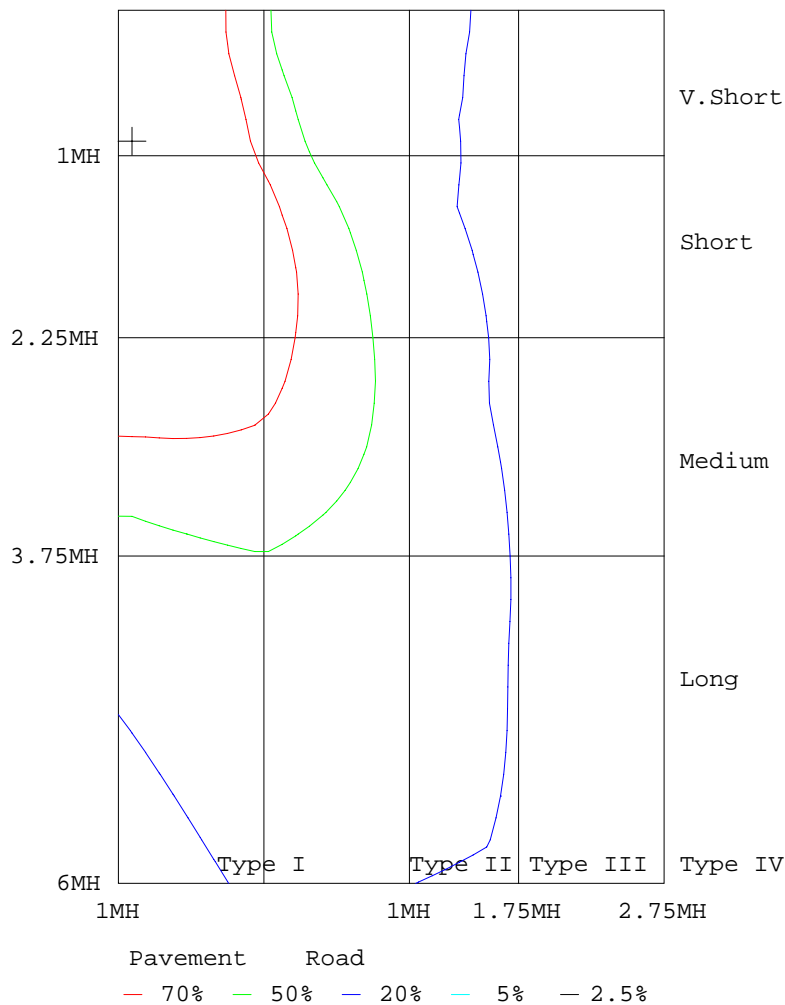
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yanyonggeng
 Test Date:2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	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	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042
5	3068	3142	3211	3269	3312	3338	3345	3331	3299	3251	3189	3118	3043	2970	2903	2847	2807	2783	2779
10	3119	3270	3414	3536	3630	3686	3701	3669	3599	3493	3368	3222	3071	2924	2788	2680	2601	2550	2543
15	3198	3432	3658	3851	4010	4100	4128	4077	3965	3791	3589	3365	3131	2907	2700	2531	2409	2333	2318
20	3305	3626	3946	4222	4445	4561	4593	4534	4395	4156	3868	3550	3226	2915	2629	2392	2221	2116	2090
25	3425	3842	4261	4636	4913	5031	5051	5006	4866	4574	4196	3775	3351	2945	2571	2260	2033	1899	1866
30	3560	4074	4594	5083	5392	5441	5418	5422	5345	5026	4549	4027	3491	2977	2509	2125	1856	1702	1666
35	3692	4309	4953	5515	5710	5647	5576	5649	5690	5449	4880	4268	3626	2994	2432	1989	1697	1554	1523
40	3828	4601	5298	5772	5812	5642	5520	5655	5808	5723	5178	4474	3738	2993	2348	1866	1585	1478	1456
45	4076	4982	5567	5904	5790	5493	5307	5505	5778	5834	5431	4771	3901	3020	2279	1765	1513	1428	1413
50	4436	5268	5764	5964	5688	5230	4974	5241	5668	5878	5633	5103	4226	3140	2229	1656	1417	1334	1324
55	4633	5383	5821	5922	5464	4859	4538	4885	5462	5856	5724	5263	4486	3366	2165	1502	1269	1195	1195
60	4735	5394	5739	5676	5043	4214	3803	4297	5096	5661	5666	5302	4625	3478	2044	1290	1071	999	985
65	4570	5190	5482	5218	4123	2918	2436	3153	4318	5245	5460	5186	4588	3366	1824	1000	793	707	700
70	3916	4310	4696	4285	2373	836	560	1043	2749	4504	4954	4694	4172	3015	1415	641	527	509	516
75	2411	2025	2731	2126	449	430	444	434	789	2699	3436	2636	2893	2332	838	395	405	437	448
80	1033	371	362	302	337	388	360	408	338	429	823	611	1458	1303	300	266	296	305	296
85	166	71.6	146	208	248	210	189	228	278	228	204	115	422	214	121	130	146	133	130
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:2024-6-25

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:27.75V I:2.899A P:80.48W PF:1.000 Freq:0Hz Lamp Flux:15936x1 lm		
NAME: AoK sAAA	TYPE:LED STREET LIGHT	WEIGHT:4.2KG
SPEC.:AoK-80WsAA-MS-A5-5070-T304-P	DIM.: 560*240*200mm	SERIAL No.:
MFR.: AOK	SUR.:180*180mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	3042	3042	3042	3042	3042														
5	2789	2820	2864	2924	2993														
10	2560	2621	2708	2826	2966														
15	2347	2437	2571	2749	2964														
20	2133	2258	2444	2691	2983														
25	1921	2077	2318	2636	3011														
30	1722	1893	2179	2573	3039														
35	1570	1731	2040	2491	3056														
40	1493	1619	1920	2406	3062														
45	1440	1538	1812	2348	3110														
50	1341	1425	1679	2302	3291														
55	1202	1269	1503	2229	3517														
60	998	1068	1279	2107	3561														
65	707	781	984	1864	3389														
70	505	518	623	1400	2934														
75	430	407	385	747	2086														
80	287	268	233	264	974														
85	118	121	101	87.9	109														
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:2024-6-25

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: