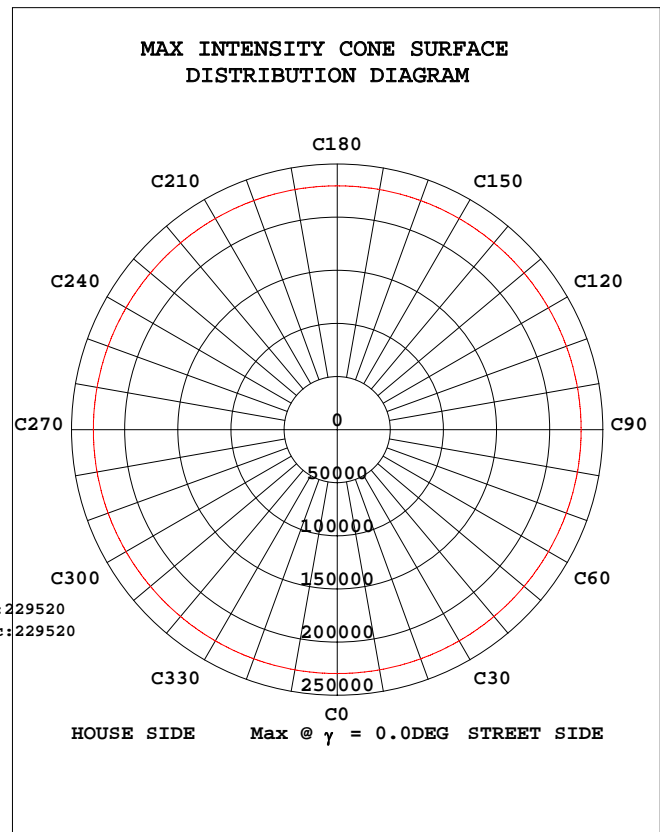
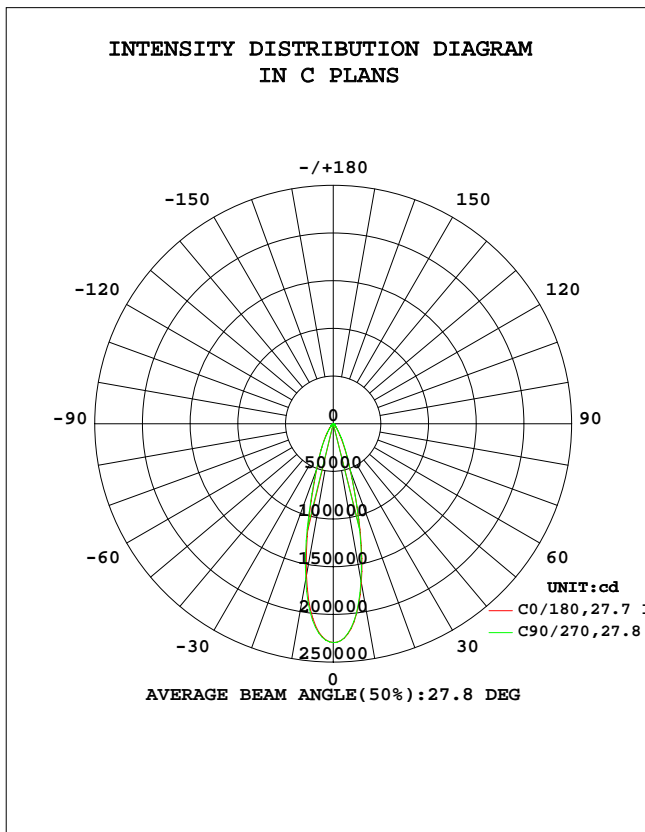


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 182.71 lm/W			
MODEL	5050	I <sub>max</sub> (cd)	229520	η street_up(%)	0.0
NOMINAL POWER(W)	400	LOR(%)	100.0	η street_down(%)	50.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	73341	η house_up(%)	0.0
NOMINAL FLUX(lm)	73340.8	MAXIMUM @(C,γ )	330,0.0	η house_down(%)	49.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.846

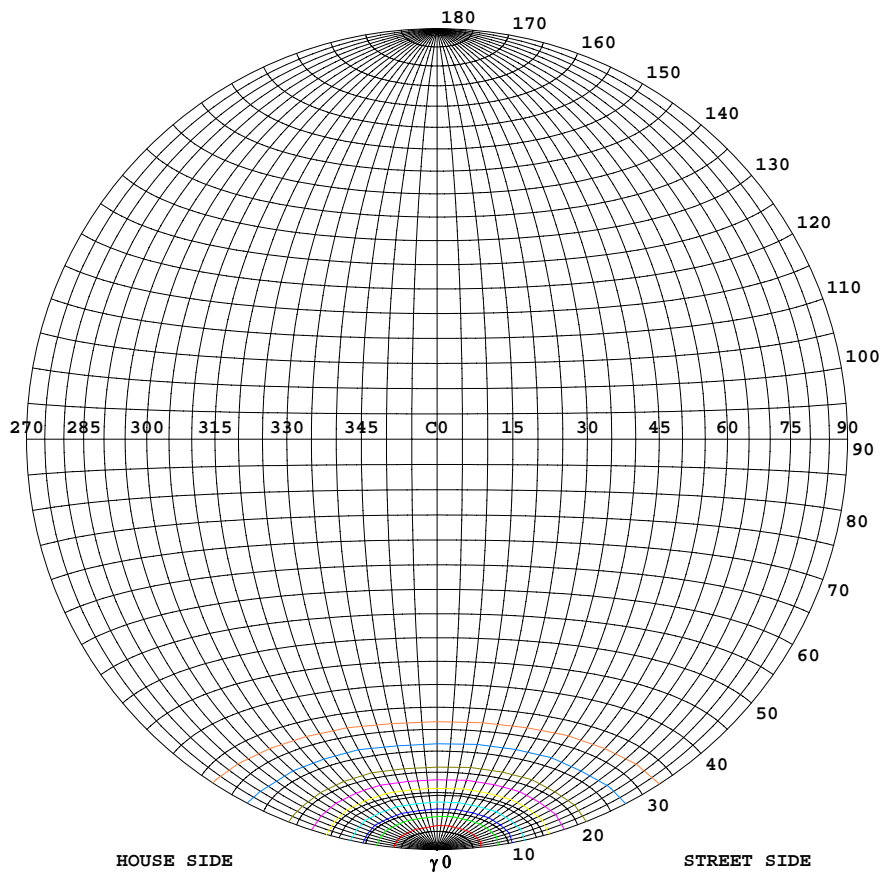


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-5-30

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:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



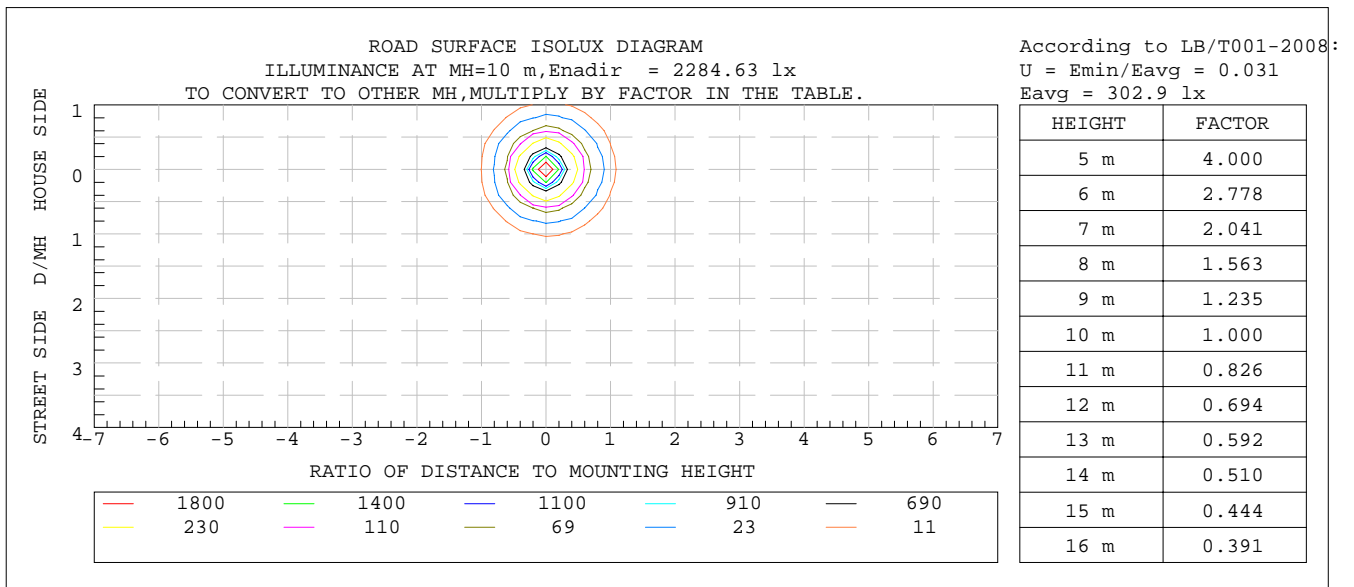
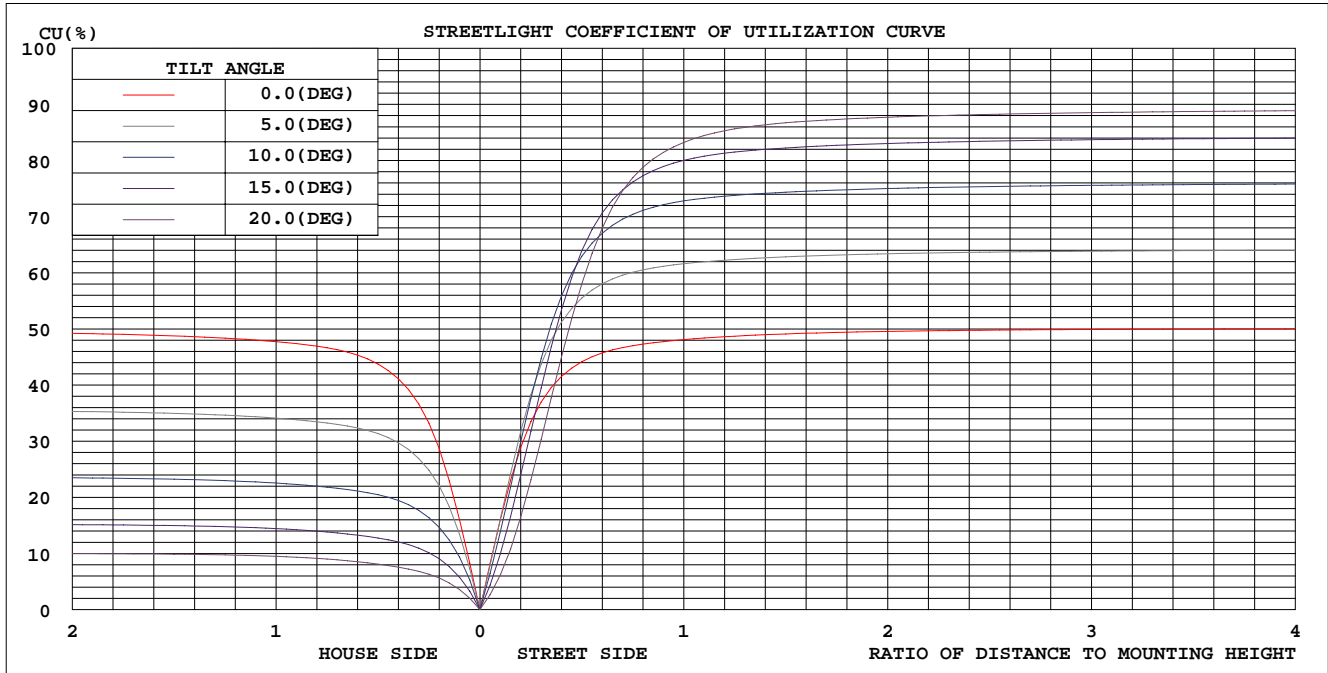
## Classification:

IES:Type V - Very Short  
CIE:Narrow - Short  
IES:Full cut-off  
CIE:Full cut-off  
Max.At80:5.727cd/klm  
Max.At90:0cd/klm  
Max.80-90:5.727cd/klm  
NRB 5101:Limited[0.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	229520
90%	206568
80%	183616
70%	160664
60%	137712
50%	114760
40%	91808
30%	68856
20%	45904
10%	22952
5%	11476

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-5-30

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: 2025-5-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

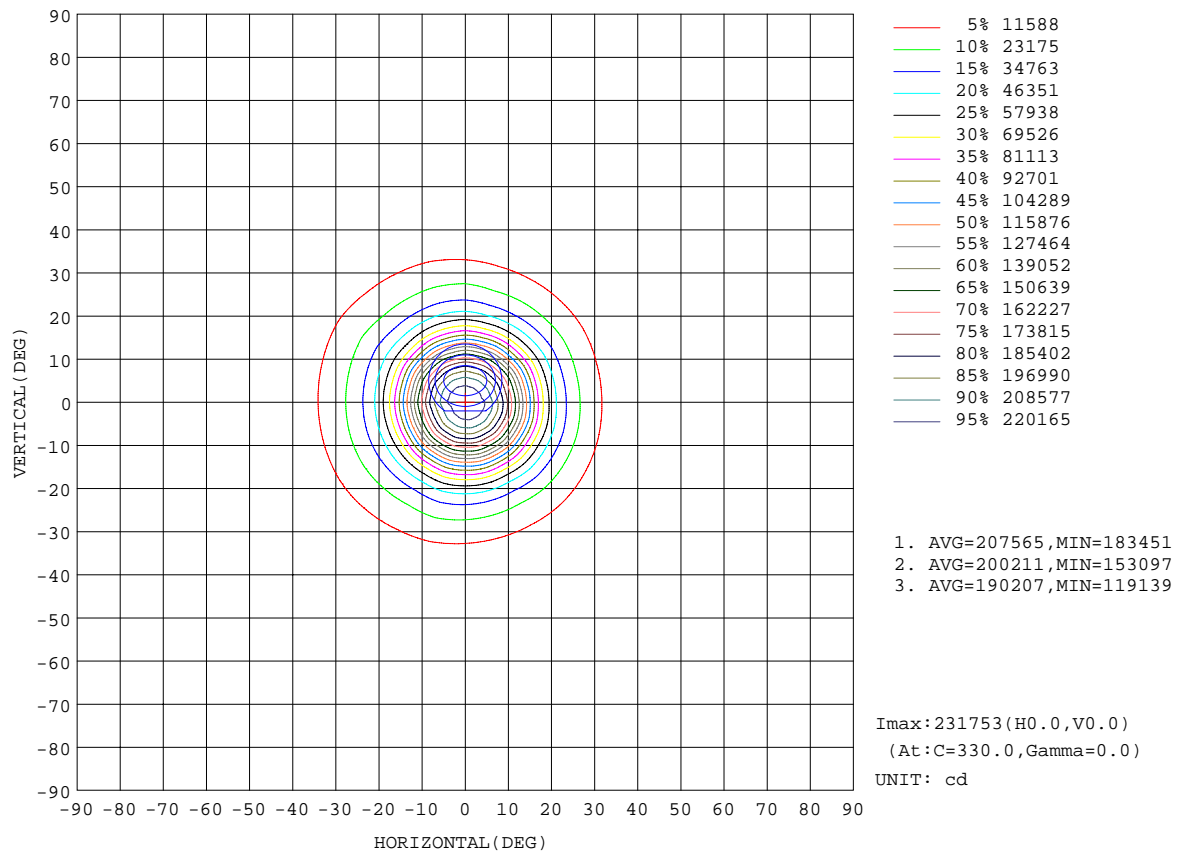
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	1700	1713	1678	1657	1622	1629	1662	1684	0- 10	18950	18950	25.8,25.8
20	529.7	549.4	538.4	517.1	512.0	510.7	525.1	523.9	10- 20	27641	46591	63.5,63.5
30	144.3	151.4	165.2	170.7	178.9	172.0	170.9	147.9	20- 30	13889	60480	82.5,82.5
40	44.30	45.41	47.18	53.26	58.80	55.21	49.06	44.81	30- 40	5777	66257	90.3,90.3
50	25.12	26.06	27.69	28.70	29.60	29.10	28.56	26.00	40- 50	2748	69005	94.1,94.1
60	17.87	17.58	18.99	18.75	19.63	18.65	19.14	17.41	50- 60	2027	71031	96.9,96.9
70	10.46	10.48	10.83	10.65	10.67	10.44	10.70	10.24	60- 70	1400	72431	98.8,98.8
80	3.892	4.089	4.135	3.933	3.627	3.744	3.976	3.834	70- 80	745.0	73176	99.8,99.8
90	0	0	0	0	0	0	0	0	80- 90	164.5	73341	100,100
100	0	0	0	0	0	0	0	0	90-100	0	73341	100,100
110	0	0	0	0	0	0	0	0	100-110	0	73341	100,100
120	0	0	0	0	0	0	0	0	110-120	0	73341	100,100
130	0	0	0	0	0	0	0	0	120-130	0	73341	100,100
140	0	0	0	0	0	0	0	0	130-140	0	73341	100,100
150	0	0	0	0	0	0	0	0	140-150	0	73341	100,100
160	0	0	0	0	0	0	0	0	150-160	0	73341	100,100
170	0	0	0	0	0	0	0	0	160-170	0	73341	100,100
180	0	0	0	0	0	0	0	0	170-180	0	73341	100,100
DEG	LUMINOUS INTENSITY:x100cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2025-5-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 $\gamma$  Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

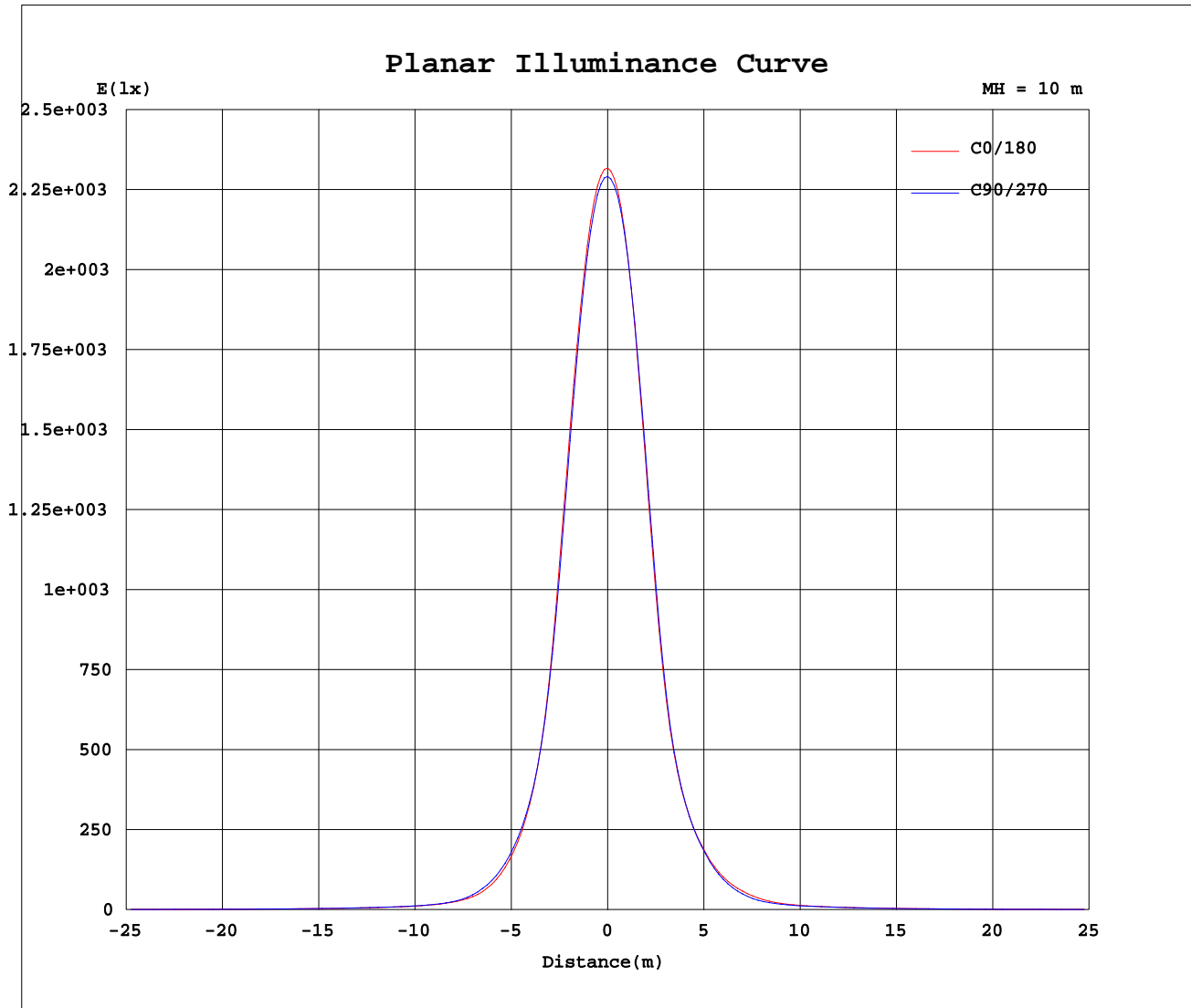
Test:U:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:yanyonggeng  
Test Date:2025-5-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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



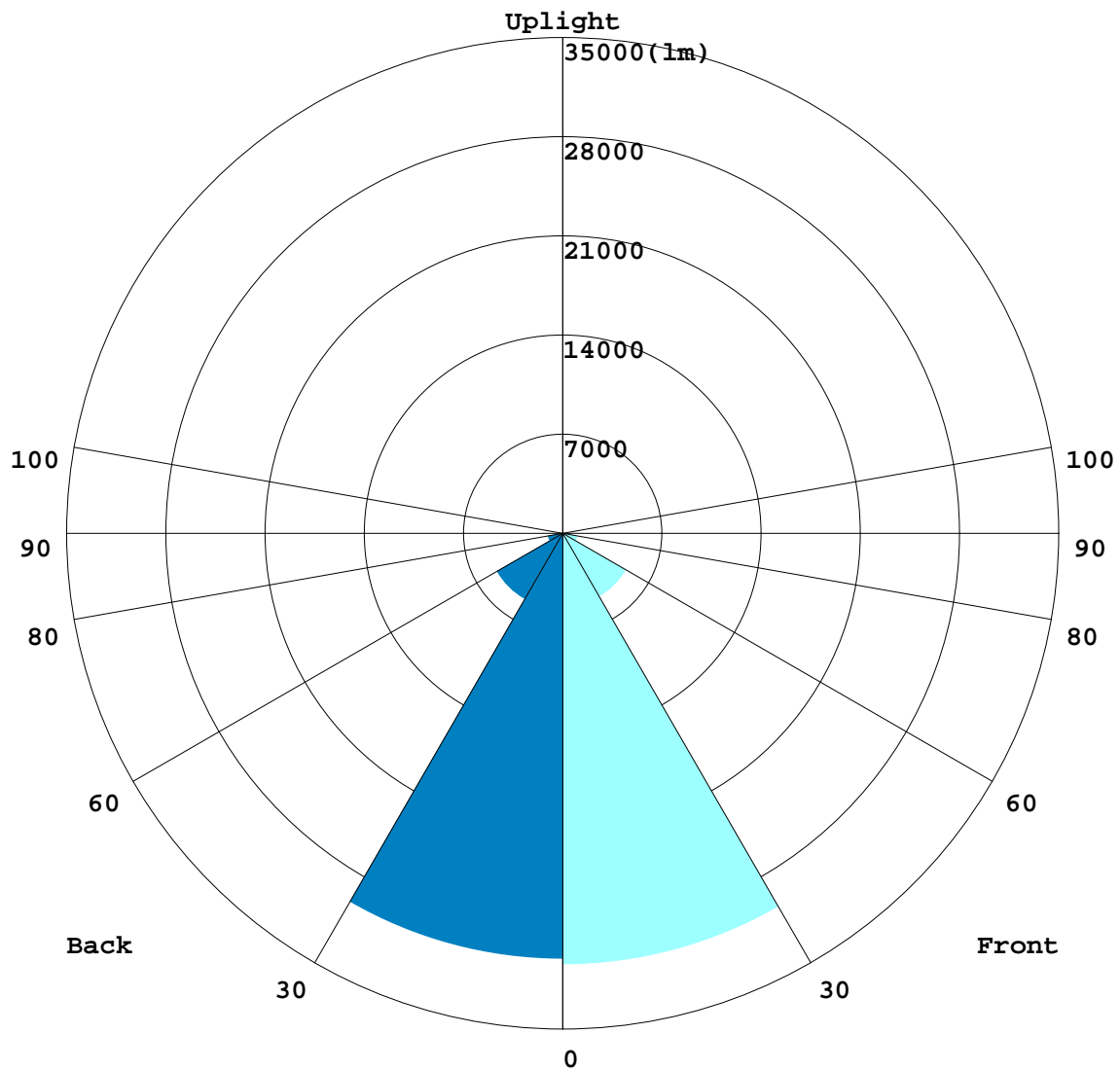
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: yanyonggeng  
Test Date: 2025-5-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	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:2025-5-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

## IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	30439	41.5
FM - Front-Medium(30-60)	5179.1	7.1
FH - Front-High(60-80)	1076.6	1.5
FVH - Front-Very High(80-90)	85.521	0.1
Total Forward Light	36780	50.1

BL - Back-Low(0-30)	30041	41.0
BM - Back-Medium(30-60)	5372.5	7.3
BH - Back-High(60-80)	1068.3	1.5
BVH - Back-Very High(80-90)	78.99	0.1
Total Back Light	36561	49.9

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	B5-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	36561	0	36561
Street Side	36780	0	36780

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2025-5-30

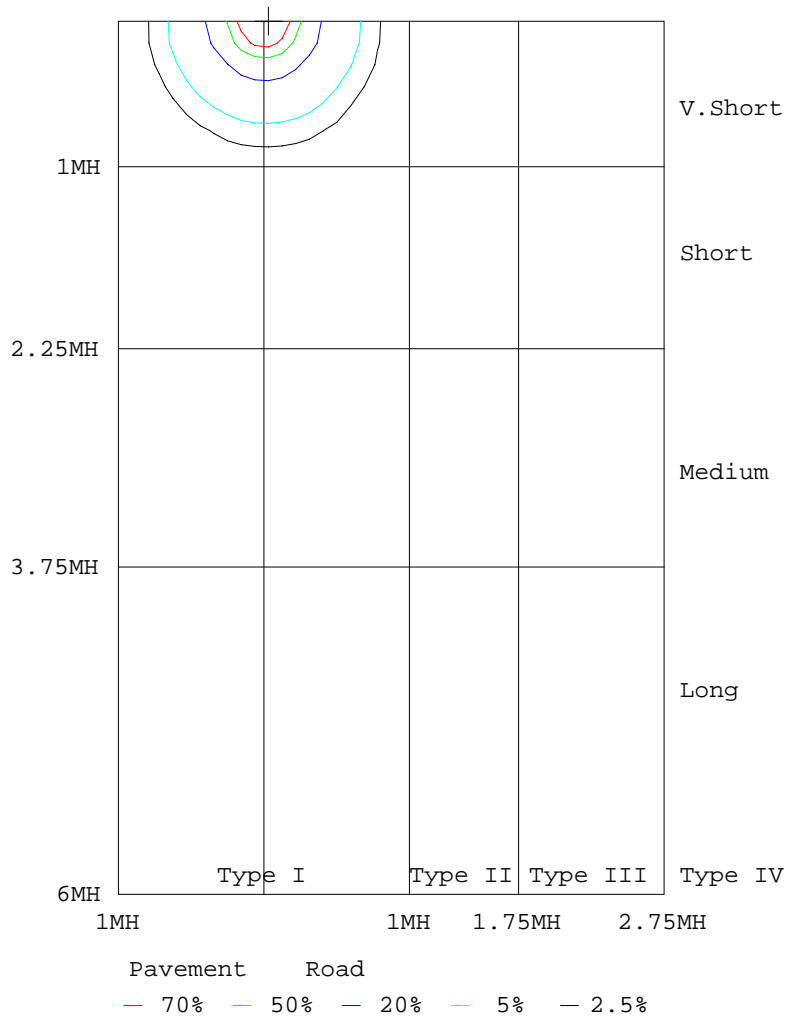
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
 Humidity:65.0%  
 Test Distance:7.682m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yanyonggeng  
 Test Date:2025-5-30

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--1

UNIT: ×100cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295	2295
5	2156	2164	2157	2163	2154	2160	2149	2154	2143	2142	2128	2127	2129	2122	2132	2128	2138	2133	2143
10	1700	1716	1704	1713	1692	1700	1678	1684	1660	1657	1625	1619	1622	1611	1634	1629	1650	1641	1662
15	1040	1065	1050	1059	1032	1040	1022	1026	993	991	959	957	958	948	971	962	980	975	995
20	530	549	547	549	527	537	538	542	517	517	512	514	512	512	523	511	517	520	525
25	282	292	292	293	280	290	302	309	291	295	303	306	302	305	313	295	295	303	303
30	144	149	148	151	148	157	165	174	166	171	179	180	179	182	188	172	171	174	171
35	73.6	75.3	74.9	76.7	75.7	80.7	85.2	92.2	92.1	97.1	102	104	105	106	109	99.5	96.9	94.3	90.0
40	44.3	45.1	44.8	45.4	44.9	46.3	47.2	49.7	49.9	53.3	56.3	58.2	58.8	59.3	60.5	55.2	53.0	51.0	49.1
45	31.1	31.6	31.7	32.3	32.0	32.8	33.8	34.9	34.7	35.8	37.2	37.7	37.5	38.0	38.8	36.7	36.0	35.6	34.9
50	25.1	25.4	25.4	26.1	25.8	26.6	27.7	28.4	28.0	28.7	29.2	29.5	29.6	29.6	30.0	29.1	28.8	28.9	28.6
55	21.5	21.0	21.0	21.6	21.4	22.2	23.4	23.4	23.0	23.6	23.5	23.8	24.7	23.7	23.9	23.7	23.4	23.4	23.8
60	17.9	17.2	17.0	17.6	17.4	18.0	19.0	18.5	18.3	18.7	18.3	18.7	19.6	18.6	18.6	18.6	18.5	18.3	19.1
65	14.0	13.7	13.5	14.0	13.8	14.1	14.6	14.3	14.2	14.5	14.1	14.5	14.9	14.4	14.3	14.3	14.2	14.1	14.6
70	10.5	10.4	10.1	10.5	10.3	10.6	10.8	10.7	10.4	10.6	10.3	10.7	10.7	10.5	10.4	10.4	10.4	10.4	10.7
75	7.05	7.05	6.82	7.14	7.04	7.29	7.34	7.30	7.03	7.09	6.85	7.13	6.95	6.92	6.93	6.92	6.92	7.01	7.20
80	3.89	3.94	3.79	4.09	4.01	4.20	4.13	4.15	3.96	3.93	3.68	3.83	3.63	3.61	3.68	3.74	3.84	3.87	3.98
85	1.24	1.32	1.35	1.51	1.43	1.49	1.41	1.45	1.35	1.35	1.23	1.14	1.01	1.07	1.17	1.25	1.25	1.27	1.27
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:2025-5-30

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:219.1V I:1.839A P:401.4W PF:0.9966 Freq:50.01Hz Lamp Flux:73340.8x1 lm		
NAME: AOK FSC	TYPE:LED Gas Station Light	WEIGHT:3.5KG
SPEC.:AOK-400WFSC-NV-A5-00-4070-30D-P	DIM.: 400*420*100mm	SERIAL No.:
MFR.: AOK	SUR.:512*380mm	Shielding Angle:

Table--2

UNIT: ×100cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	2295	2295	2295	2295	2295														
5	2140	2151	2150	2161	2158														
10	1658	1685	1684	1708	1702														
15	987	1014	1020	1052	1046														
20	507	513	524	542	535														
25	280	282	281	291	283														
30	154	150	148	150	146														
35	80.6	77.6	75.2	76.1	73.9														
40	45.9	45.4	44.8	45.4	44.5														
45	32.9	32.4	32.2	32.2	31.5														
50	26.8	26.2	26.0	25.8	25.2														
55	22.3	21.7	21.5	21.2	20.9														
60	17.7	17.5	17.4	17.1	17.1														
65	13.8	13.8	13.7	13.5	13.5														
70	10.3	10.2	10.2	10.1	10.2														
75	6.97	7.02	6.88	6.81	6.86														
80	3.87	3.96	3.83	3.78	3.77														
85	1.26	1.34	1.33	1.32	1.27														
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:2025-5-30

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: