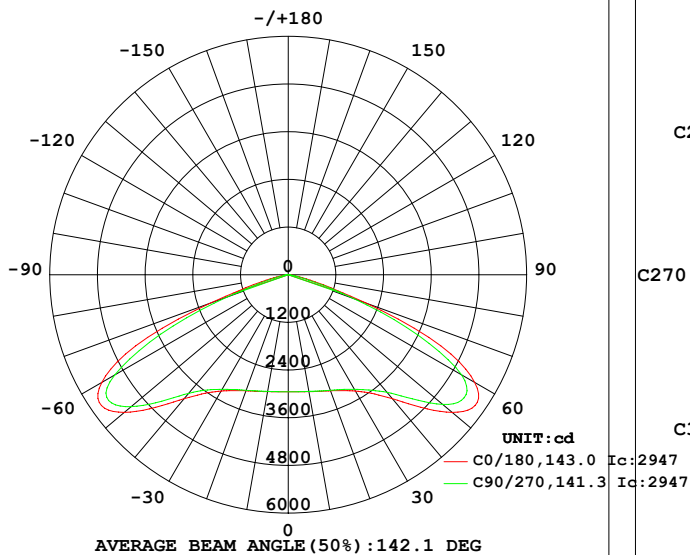
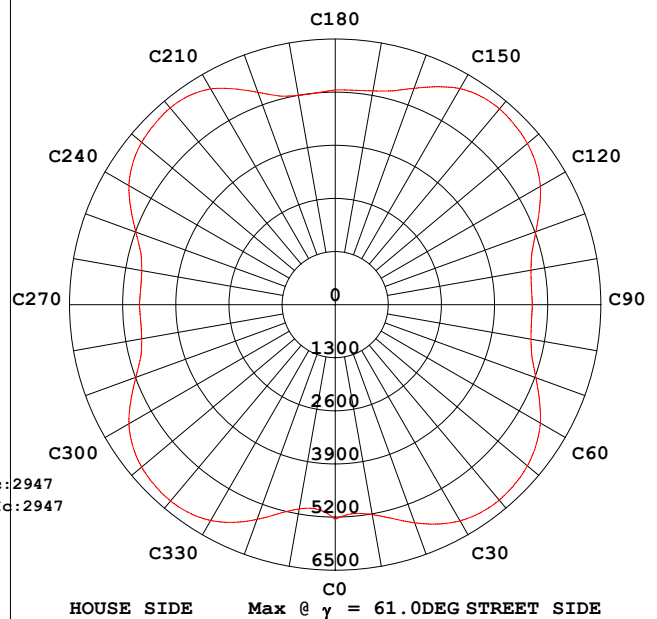


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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: 126.70 lm/W			
MODEL	3030	I <sub>max</sub> (cd)	6249	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	$\eta$ street_down (%)	50.3
RATED VOLTAGE (V)	220.0	TOTAL FLUX (lm)	18885	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	18885	MAXIMUM @ (C, $\gamma$ )	315,61.0	$\eta$ house_down (%)	49.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	19.203

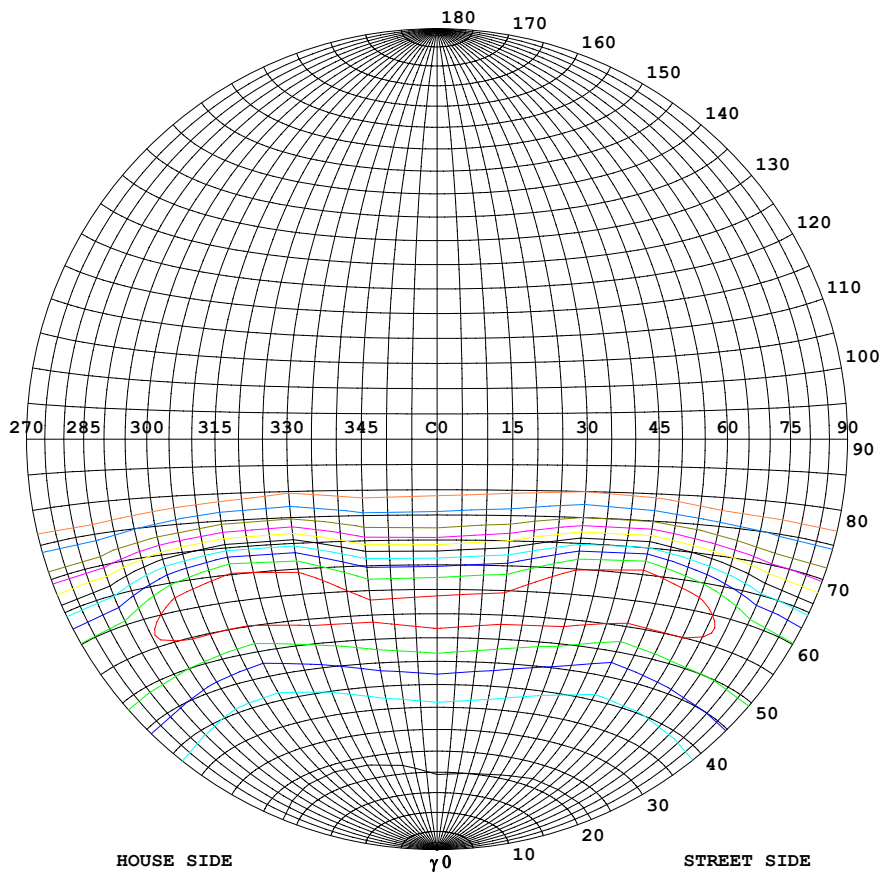
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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:



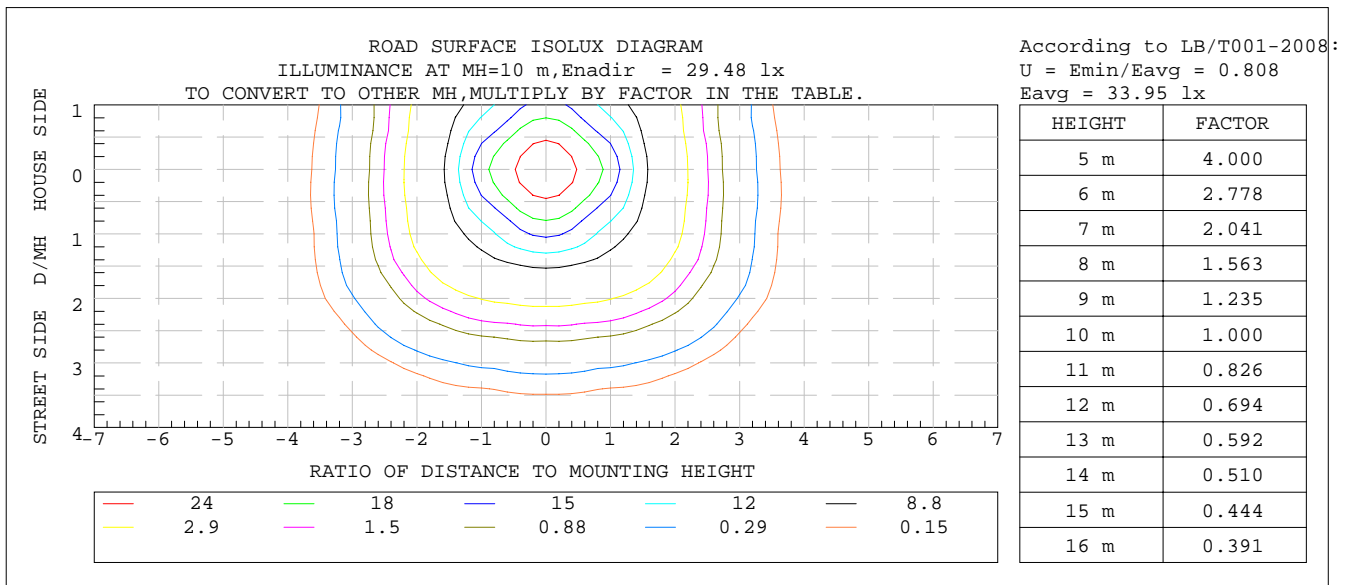
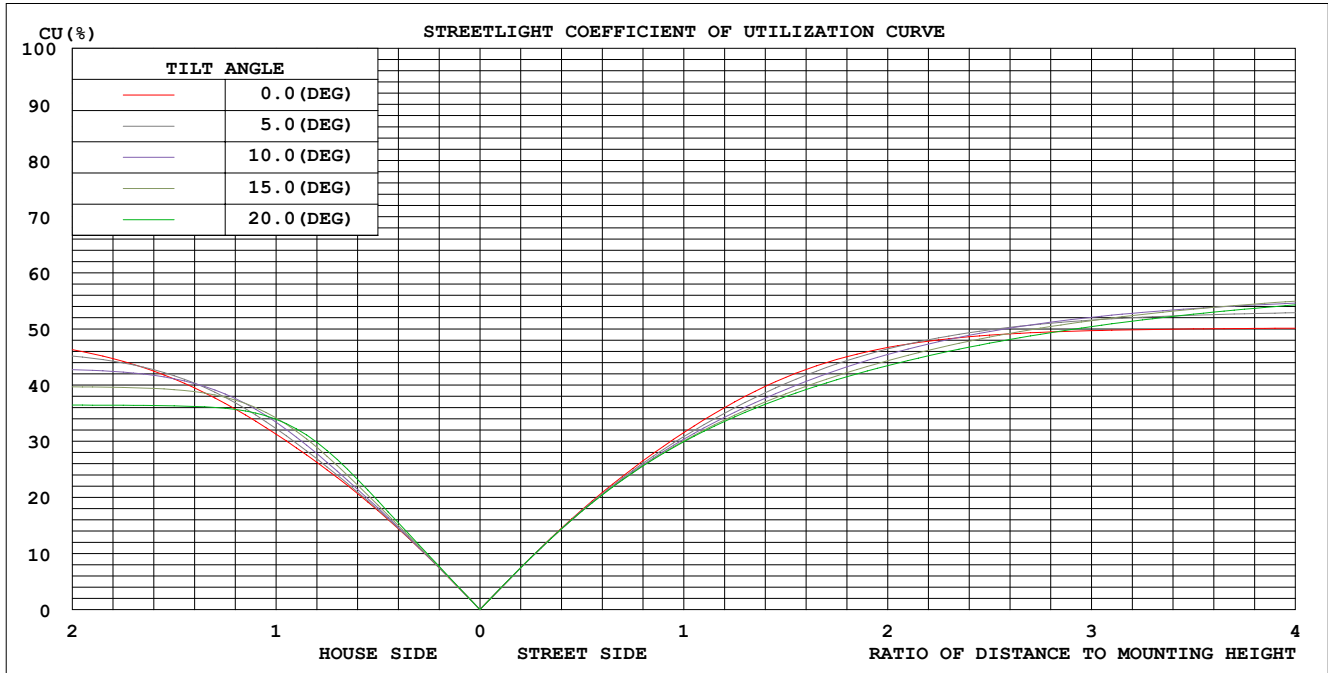
## Classification:

IES:Type VS - Short  
 CIE:Broad - Intermediate  
 IES:Full cut-off  
 CIE:Full cut-off  
 Max.At80:16.29cd/klm  
 Max.At90:0cd/klm  
 Max.80-90:16.29cd/klm  
 NRB 5101:Limited[3.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6249
90%	5624
80%	4999
70%	4374
60%	3749
50%	3125
40%	2500
30%	1875
20%	1250
10%	625
5%	312

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-04-03

gamma Range: 0 - 180DEG  
 gamma Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [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: 2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-T501-P	DIM.: $\Phi 0.46 \times 0.08M$	SERIAL No.:
MFR.: AOK	SUR.: $\Phi 0.409 - \Phi 0.297M$	Shielding Angle:

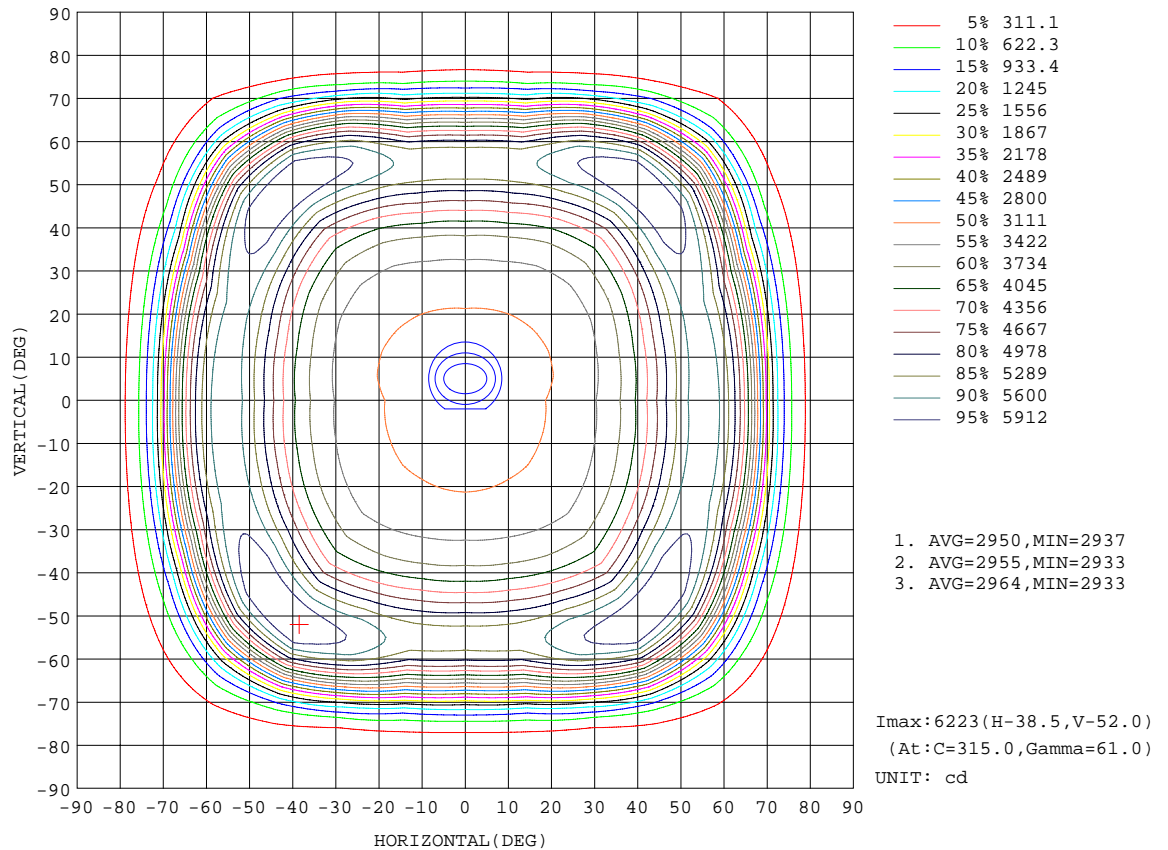
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2988	2986	2983	2986	2988	2986	2982	2986	0- 10	283.1	283.1	1.5,1.5
20	3110	3094	3095	3094	3110	3091	3096	3091	10- 20	862.5	1146	6.07,6.07
30	3381	3267	3330	3267	3381	3263	3331	3263	20- 30	1480	2626	13.9,13.9
40	4073	3666	3861	3666	4073	3659	3896	3659	30- 40	2224	4850	25.7,25.7
50	5391	4664	5080	4664	5391	4745	5166	4745	40- 50	3413	8263	43.8,43.8
60	5416	6175	5038	6175	5416	6240	5037	6240	50- 60	4981	13244	70.1,70.1
70	2059	3771	1757	3771	2059	3488	1631	3488	60- 70	4474	17718	93.8,93.8
80	234.1	242.6	146.7	242.6	234.1	194.0	128.1	194.0	70- 80	1099	18817	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	67.58	18885	100,100
100	0	0	0	0	0	0	0	0	90-100	0	18885	100,100
110	0	0	0	0	0	0	0	0	100-110	0	18885	100,100
120	0	0	0	0	0	0	0	0	110-120	0	18885	100,100
130	0	0	0	0	0	0	0	0	120-130	0	18885	100,100
140	0	0	0	0	0	0	0	0	130-140	0	18885	100,100
150	0	0	0	0	0	0	0	0	140-150	0	18885	100,100
160	0	0	0	0	0	0	0	0	150-160	0	18885	100,100
170	0	0	0	0	0	0	0	0	160-170	0	18885	100,100
180	0	0	0	0	0	0	0	0	170-180	0	18885	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:2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

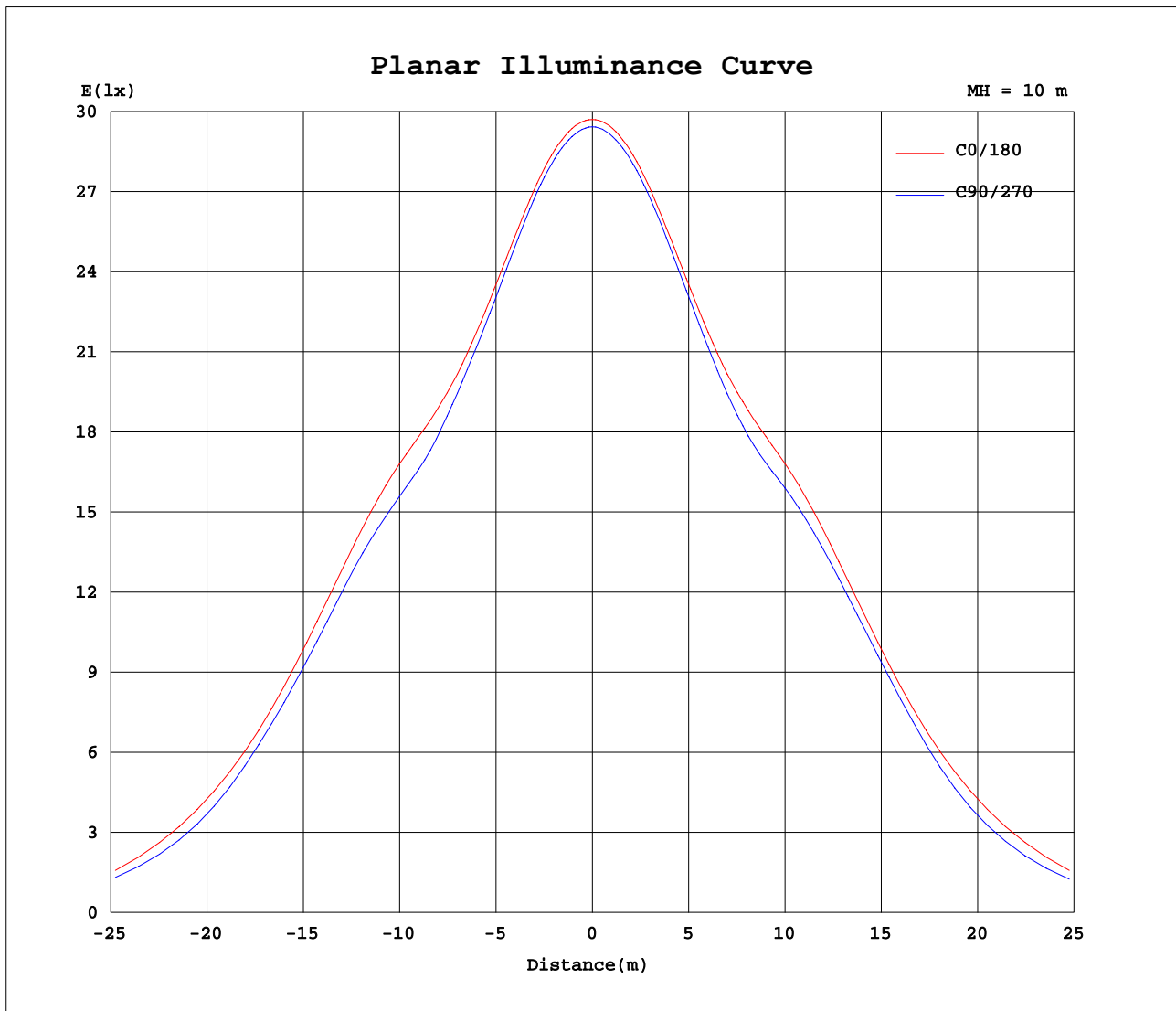
Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-T501-P	DIM.: $\phi 0.46 \times 0.08\text{M}$	SERIAL No.:
MFR.: AOK	SUR.: $\phi 0.409 - \phi 0.297\text{M}$	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



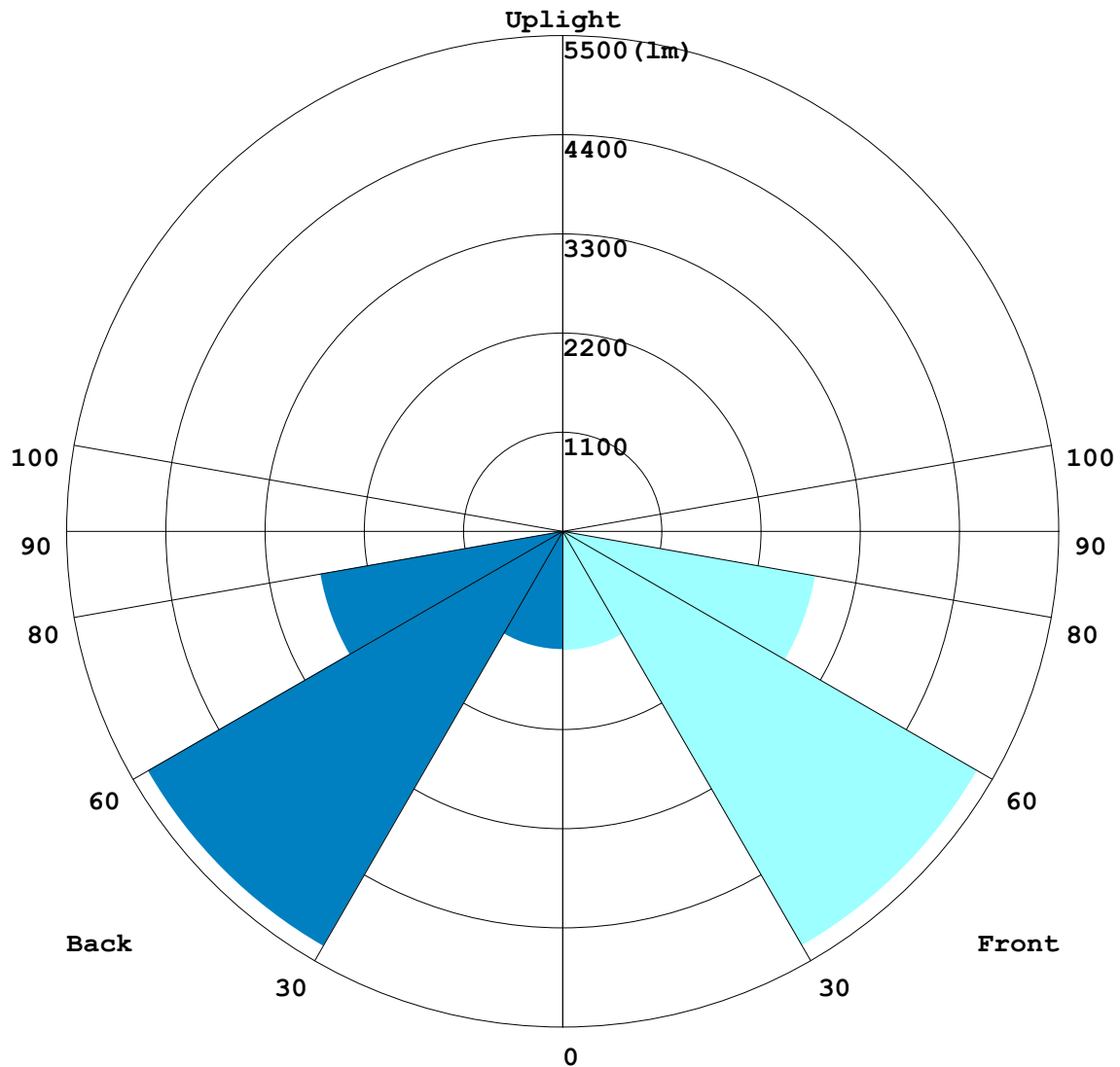
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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: 2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.684m [K=1.0000]  
Remarks:

## BUG REPORT

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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)	1317.1	7.0
FM - Front-Medium(30-60)	5307	28.1
FH - Front-High(60-80)	2845.6	15.1
FVH - Front-Very High(80-90)	35.52	0.2
Total Forward Light	9505.2	50.3

BL - Back-Low(0-30)	1308.8	6.9
BM - Back-Medium(30-60)	5310.9	28.1
BH - Back-High(60-80)	2728	14.4
BVH - Back-Very High(80-90)	32.061	0.2
Total Back Light	9379.8	49.7

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	B4-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9379.8	0	9379.8
Street Side	9505.2	0	9505.2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-04-03

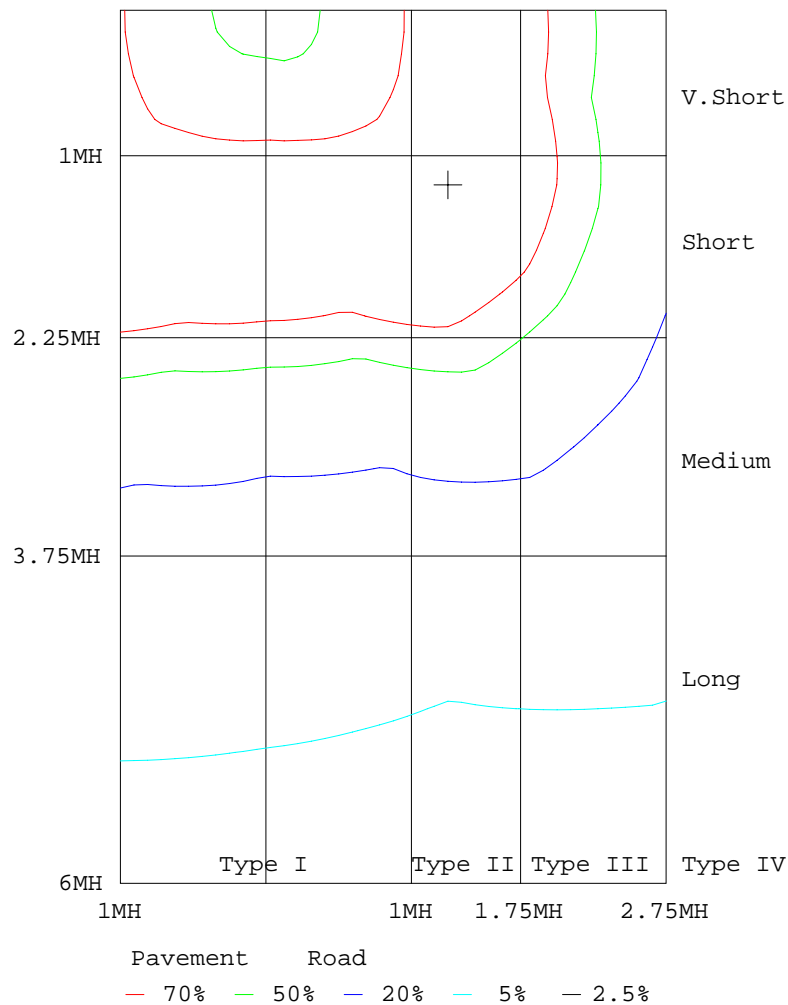
$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:



### ROAD ISOCANDELA REPORT

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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:2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947	2947
5	2958	2958	2958	2957	2958	2956	2955	2956	2958	2957	2958	2958	2958	2957	2955	2955	2954	2955	2955
10	2988	2988	2990	2986	2986	2984	2983	2984	2986	2986	2990	2988	2988	2990	2987	2986	2982	2984	2982
15	3038	3039	3040	3034	3035	3031	3030	3031	3035	3034	3040	3039	3038	3040	3034	3033	3027	3030	3029
20	3110	3105	3101	3094	3097	3095	3095	3095	3097	3094	3101	3105	3110	3108	3093	3091	3087	3092	3096
25	3217	3202	3185	3166	3176	3183	3188	3183	3176	3166	3185	3202	3217	3207	3173	3161	3165	3184	3190
30	3381	3352	3308	3267	3292	3315	3330	3315	3292	3267	3308	3352	3381	3360	3295	3263	3275	3319	3331
35	3640	3590	3495	3419	3461	3515	3544	3515	3461	3419	3495	3590	3640	3606	3478	3417	3437	3509	3540
40	4073	3975	3805	3666	3726	3822	3861	3822	3726	3666	3805	3975	4073	4007	3784	3659	3701	3842	3896
45	4718	4565	4329	4053	4203	4361	4416	4361	4203	4053	4329	4565	4718	4625	4310	4067	4201	4436	4503
50	5391	5259	5061	4664	4916	5012	5080	5012	4916	4664	5061	5259	5391	5317	5066	4745	4958	5118	5166
55	5740	5710	5806	5503	5628	5424	5399	5424	5628	5503	5806	5710	5740	5720	5822	5622	5681	5520	5519
60	5416	5548	6133	6175	5846	5150	5038	5150	5846	6175	6133	5548	5416	5447	6124	6240	5895	5155	5037
65	4234	4513	5554	5848	4926	3832	3609	3832	4926	5848	5554	4513	4234	4299	5498	5721	4906	3704	3542
70	2059	2493	3645	3771	2801	1949	1757	1949	2801	3771	3645	2493	2059	2173	3514	3488	2740	1692	1631
75	707	839	1247	1203	823	564	537	564	823	1203	1247	839	707	707	1159	1078	687	464	473
80	234	274	308	243	158	147	147	147	158	243	308	274	234	218	292	194	142	128	128
85	50.2	57.0	54.5	31.7	34.1	36.7	37.2	36.7	34.1	31.7	54.5	57.0	50.2	42.8	47.2	32.2	34.3	36.6	41.1
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:2019-04-03

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.684m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.6828A P:149.1W PF:0.9917 Freq:49.99Hz Lamp Flux:18885x1 lm		
NAME: AOK IP	TYPE:LED 庭院灯	WEIGHT:7.5kg
SPEC.:AOK-150WiP-NV-L3-00-4070-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

$\gamma$ (DEG) \ C (DEG)	285	300	315	330	345														
0	2947	2947	2947	2947	2947														
5	2955	2954	2955	2955	2957														
10	2984	2982	2986	2987	2990														
15	3030	3027	3033	3034	3040														
20	3092	3087	3091	3093	3108														
25	3184	3165	3161	3173	3207														
30	3319	3275	3263	3295	3360														
35	3509	3437	3417	3478	3606														
40	3842	3701	3659	3784	4007														
45	4436	4201	4067	4310	4625														
50	5118	4958	4745	5066	5317														
55	5520	5681	5622	5822	5720														
60	5155	5895	6240	6124	5447														
65	3704	4906	5721	5498	4299														
70	1692	2740	3488	3514	2173														
75	464	687	1078	1159	707														
80	128	142	194	292	218														
85	36.6	34.3	32.2	47.2	42.8														
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: 2019-04-03

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.684m [K=1.0000]  
 Remarks: