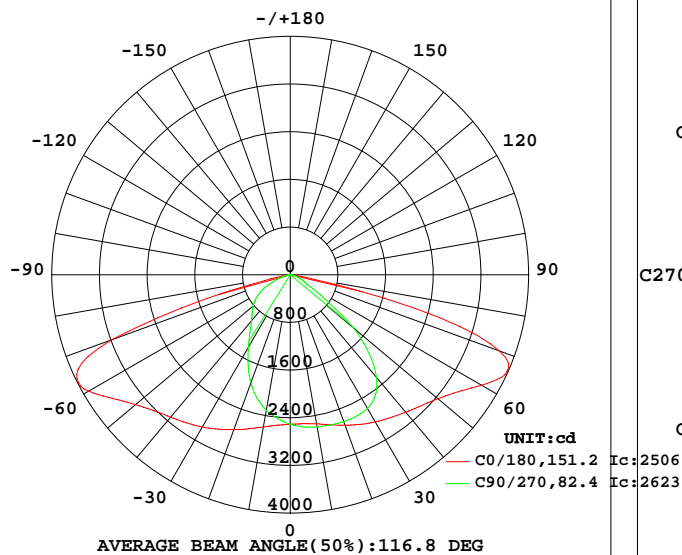
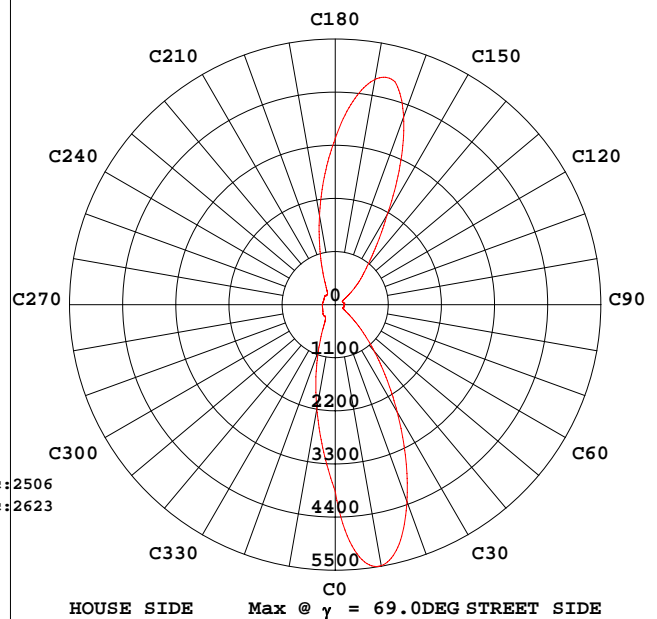


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.20 lm/W			
MODEL	3030	Imax(cd)	5128	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	60	LOR(%)	100.0	$\eta$ street_down(%)	61.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	9380	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	9379.94	MAXIMUM @(C, $\gamma$ )	15,69.0	$\eta$ house_down(%)	38.8
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	19.486

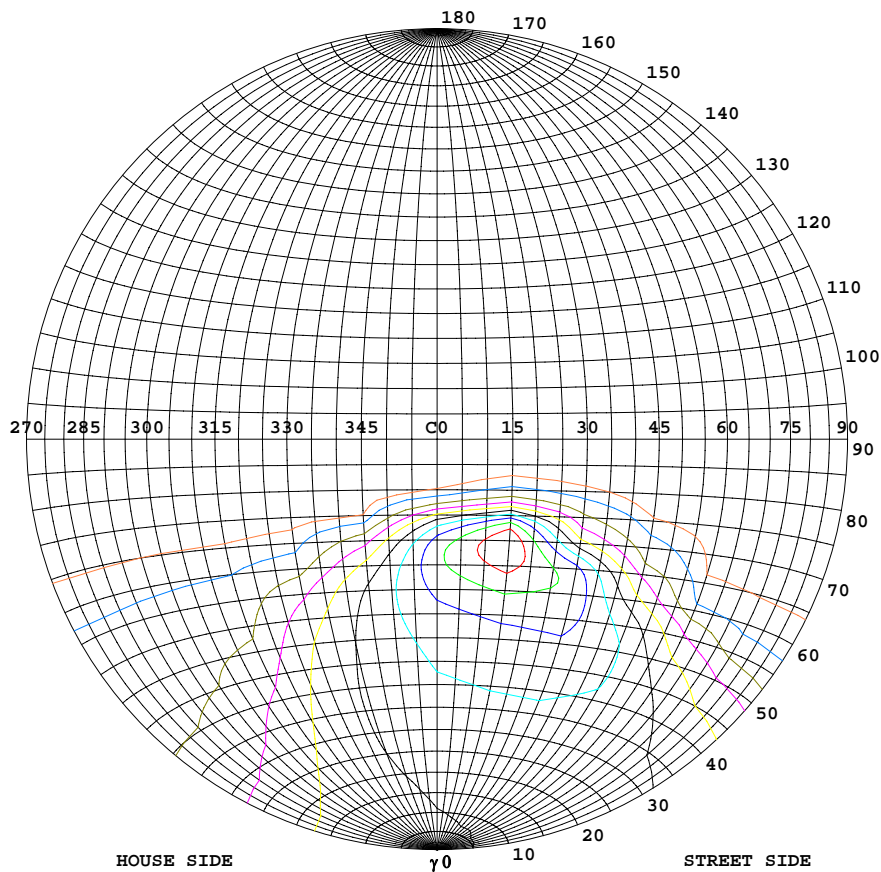
INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANSMAX INTENSITY CONE SURFACE  
DISTRIBUTION DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-24

$\gamma$  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:

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



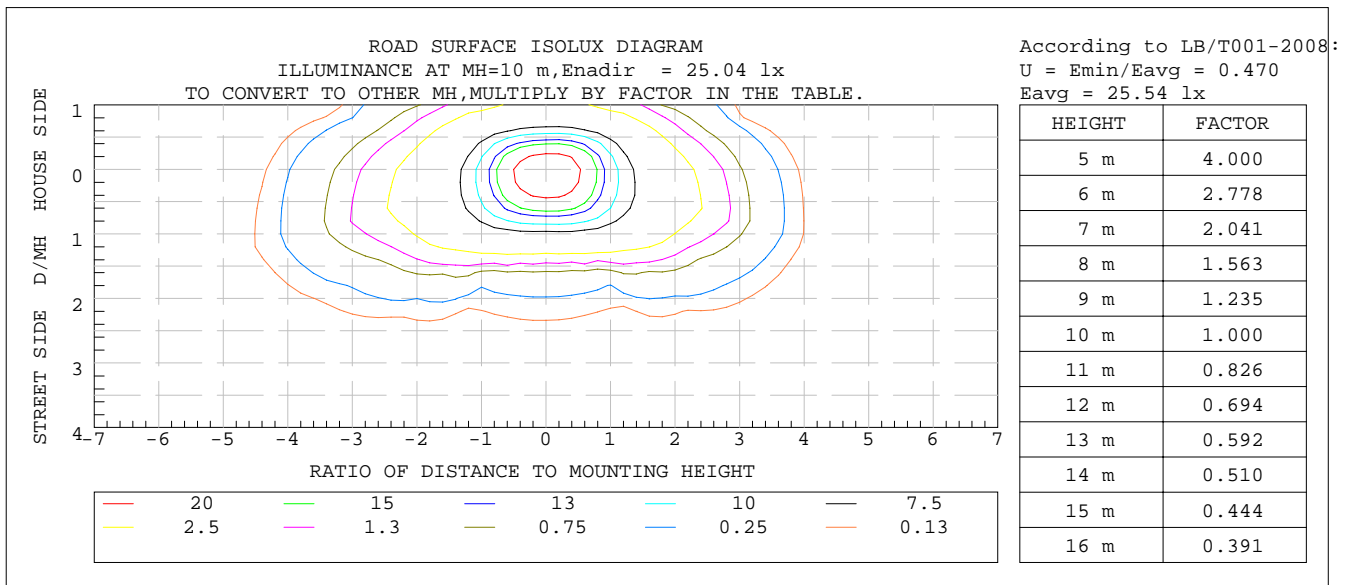
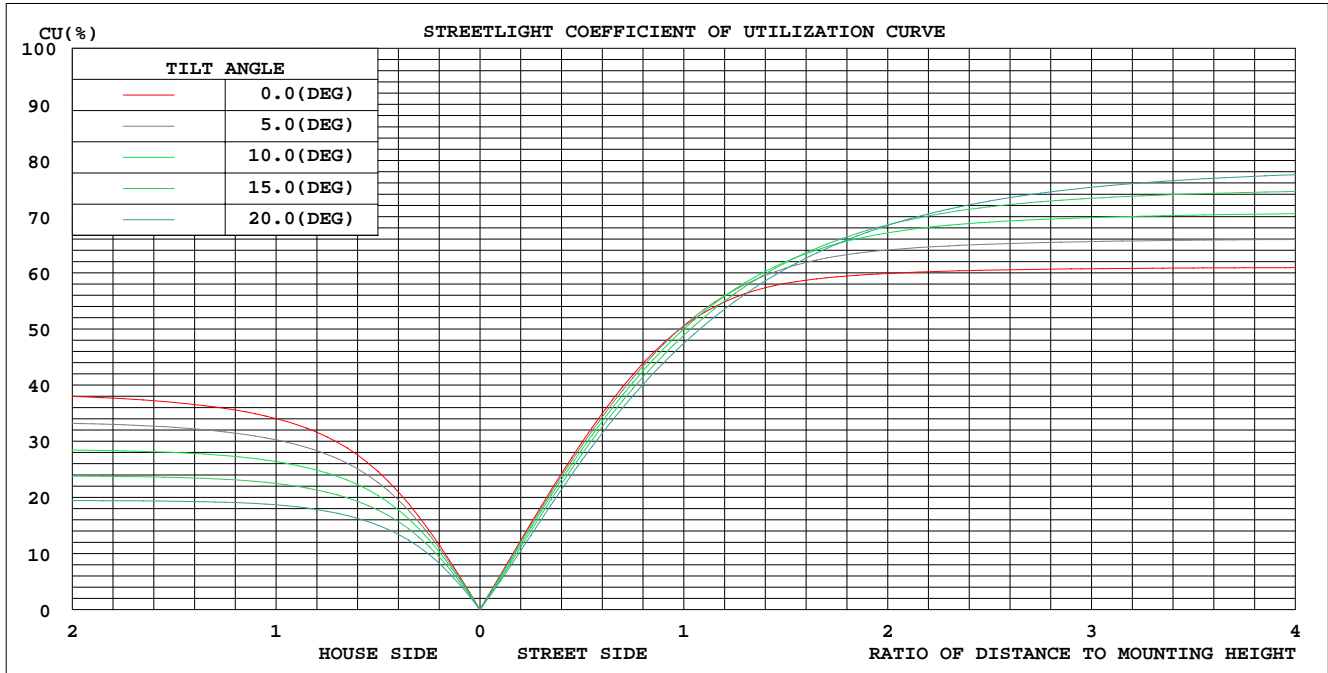
## Classification:

IES:Type II - Medium  
CIE:Narrow - Intermediate  
IES:Full cut-off  
CIE:Semi-cut-off  
Max.At80:69.94cd/klm  
Max.At90:0cd/klm  
Max.80-90:69.94cd/klm  
NRB 5101:Limited[4.8%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5128
90%	4615
80%	4102
70%	3589
60%	3077
50%	2564
40%	2051
30%	1538
20%	1026
10%	513
5%	256

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-24

$\gamma$  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:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-24

$\gamma$  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:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

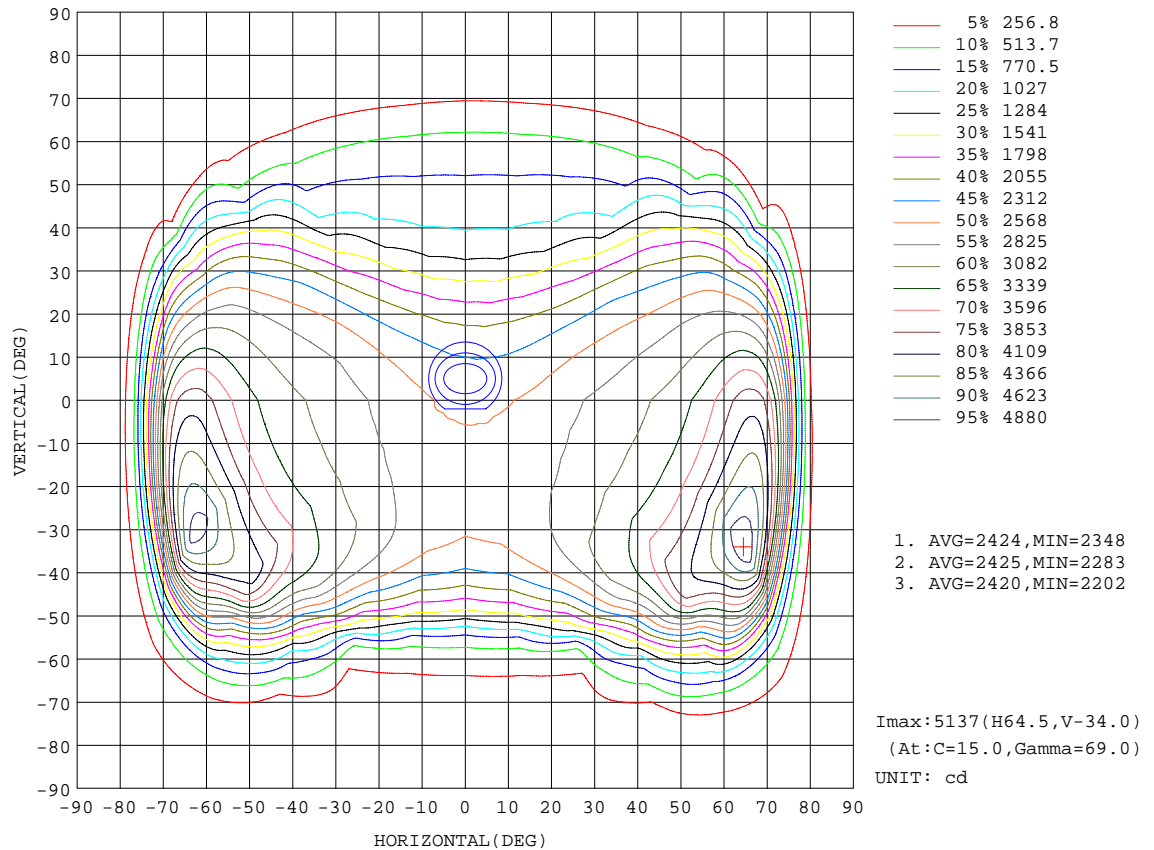
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	2541	2588	2592	2628	2594	2435	2311	2385	0- 10	239.4	239.4	2.55,2.55
20	2688	2694	2621	2761	2765	2340	1931	2249	10- 20	711.3	950.8	10.1,10.1
30	2851	2842	2589	2935	2950	2130	1408	2023	20- 30	1151	2102	22.4,22.4
40	3011	3034	2253	3159	3119	1747	1013	1667	30- 40	1522	3625	38.6,38.6
50	3236	3110	1368	3229	3390	1151	813.2	1148	40- 50	1775	5400	57.6,57.6
60	3706	2223	349.1	2135	3908	678.7	578.8	730.8	50- 60	1814	7214	76.9,76.9
70	3730	726.2	167.0	641.7	3189	237.7	239.9	288.9	60- 70	1527	8741	93.2,93.2
80	277.4	79.93	45.79	57.38	128.1	44.69	57.44	57.59	70- 80	599.8	9340	99.6,99.6
90	0	0	0	0	0	0	0	0	80- 90	39.45	9380	100,100
100	0	0	0	0	0	0	0	0	90-100	0	9380	100,100
110	0	0	0	0	0	0	0	0	100-110	0	9380	100,100
120	0	0	0	0	0	0	0	0	110-120	0	9380	100,100
130	0	0	0	0	0	0	0	0	120-130	0	9380	100,100
140	0	0	0	0	0	0	0	0	130-140	0	9380	100,100
150	0	0	0	0	0	0	0	0	140-150	0	9380	100,100
160	0	0	0	0	0	0	0	0	150-160	0	9380	100,100
170	0	0	0	0	0	0	0	0	160-170	0	9380	100,100
180	0	0	0	0	0	0	0	0	170-180	0	9380	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:2023-10-24

$\gamma$  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:

## ISOCANDELA DIAGRAM

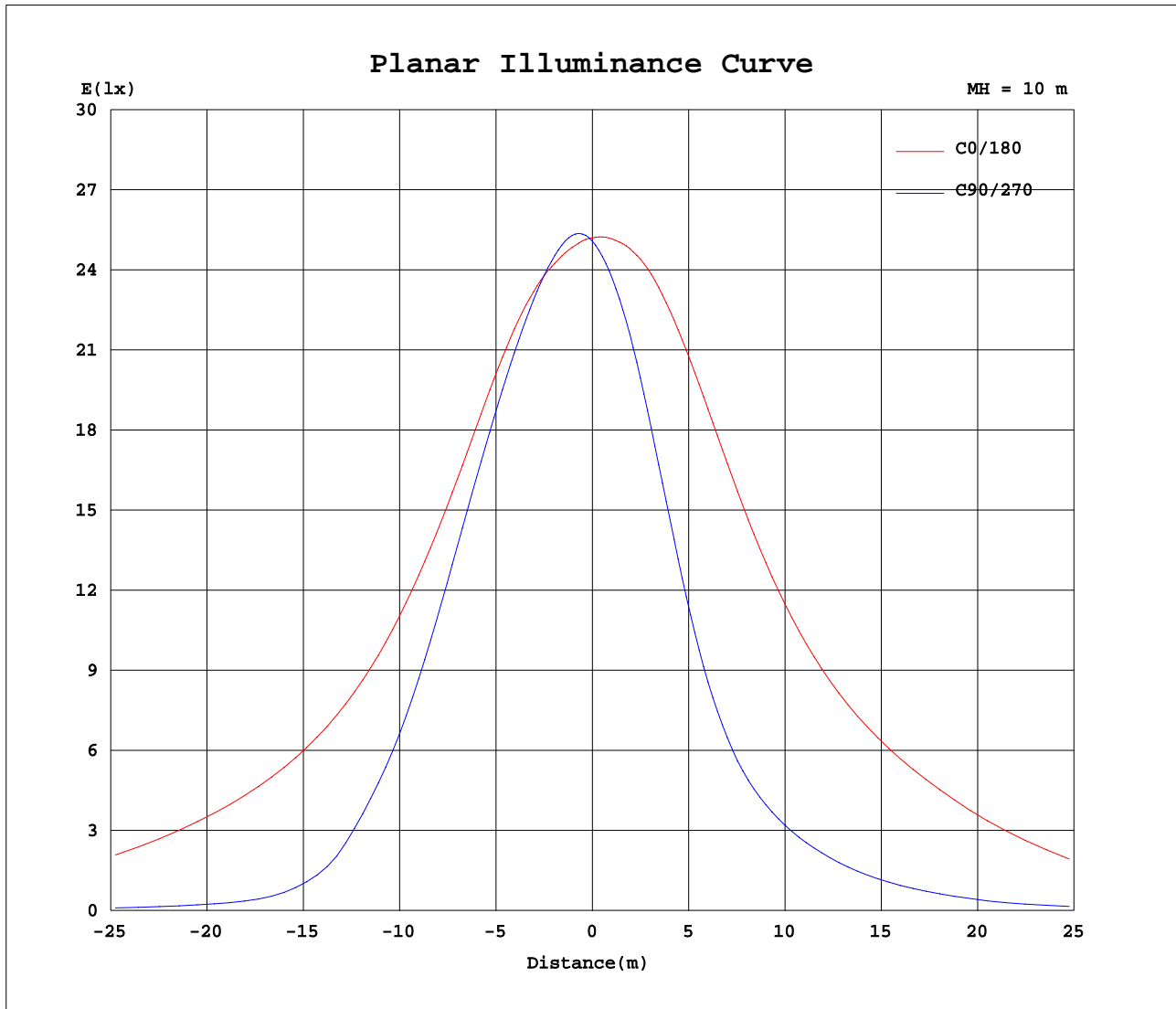
Test:U:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-24

$\gamma$  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



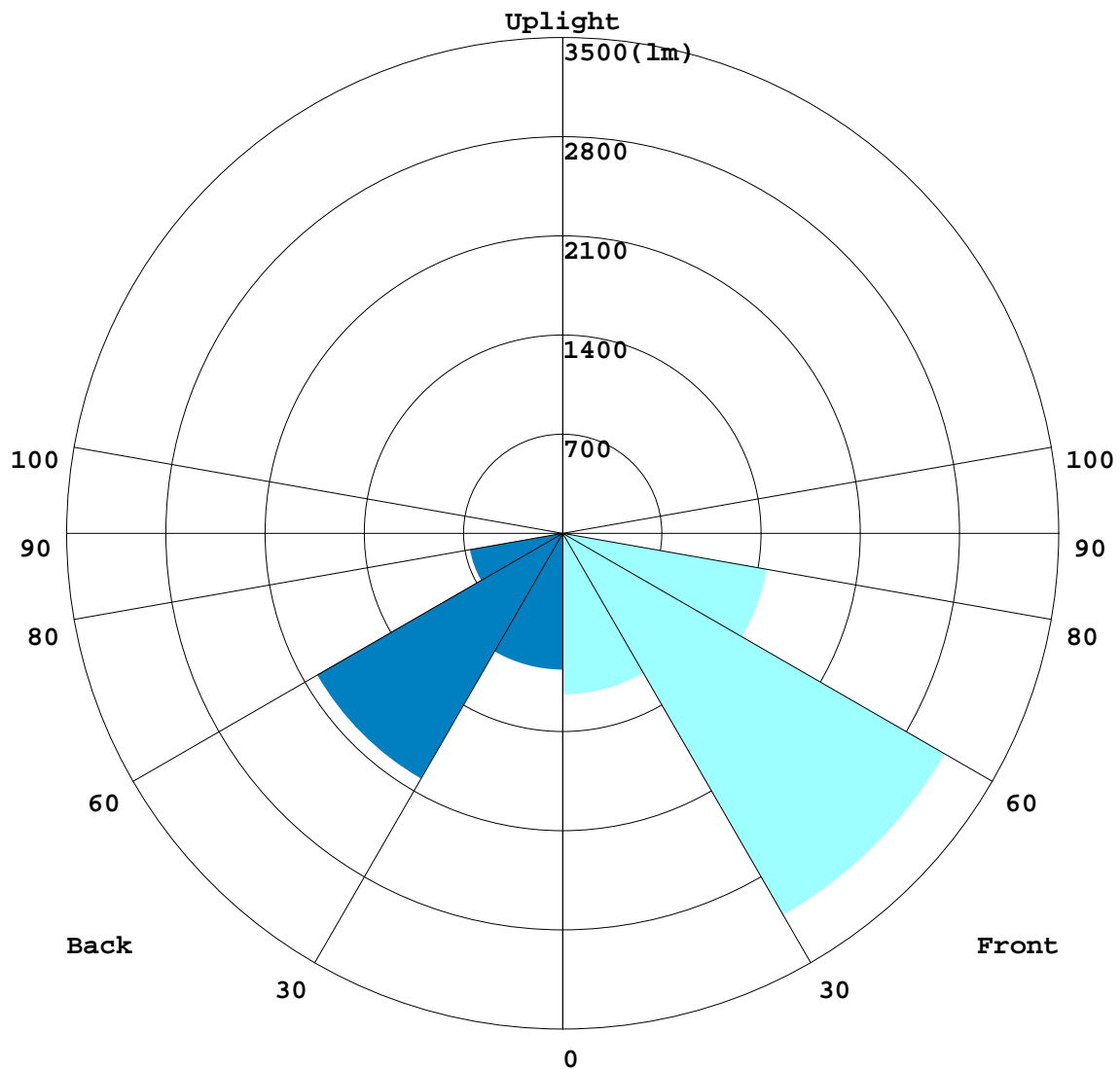
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2023-10-24

$\gamma$  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:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-24

$\gamma$  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:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1138.5	12.1
FM - Front-Medium(30-60)	3111.8	33.2
FH - Front-High(60-80)	1461.6	15.6
FVH - Front-Very High(80-90)	26.993	0.3
Total Forward Light	5738.9	61.2

BL - Back-Low(0-30)	963.67	10.3
BM - Back-Medium(30-60)	1999.6	21.3
BH - Back-High(60-80)	665.3	7.1
BVH - Back-Very High(80-90)	12.453	0.1
Total Back Light	3641	38.8

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	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3641	0	3641
Street Side	5738.9	0	5738.9

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-24

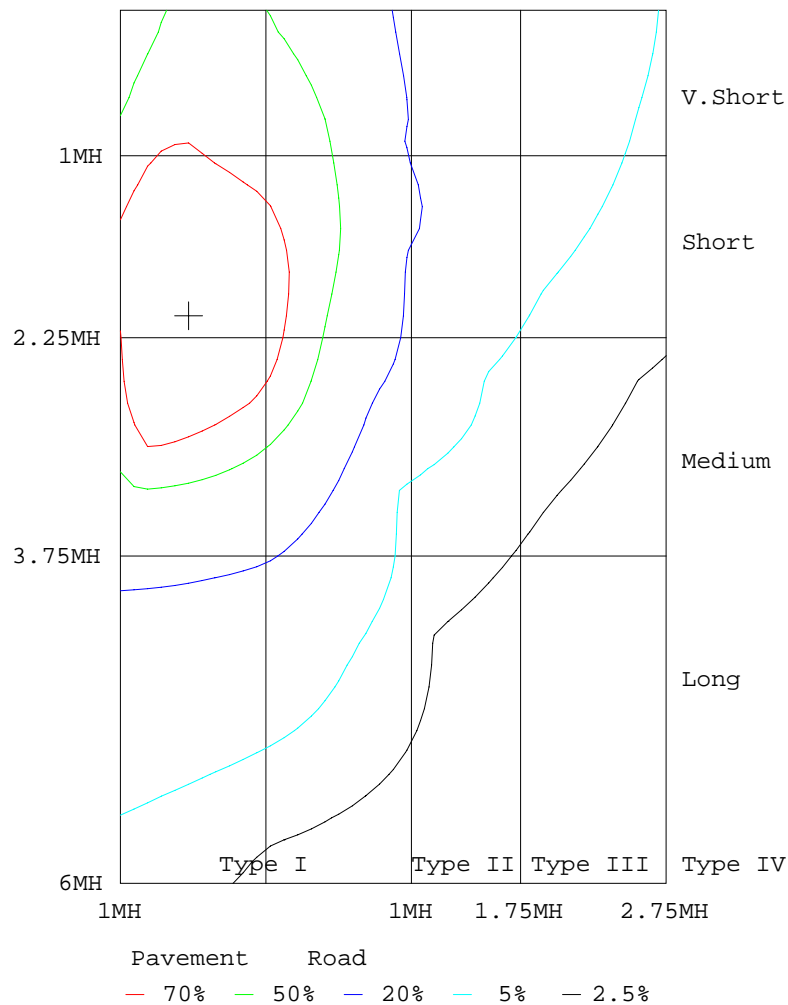
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.363T  
Humidity:65.0%  
Test Distance:7.682m [K=1.0000]  
Remarks:



## ROAD ISOCANDELA REPORT

Test:U:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2023-10-24

$\gamma$  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:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	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	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508	2508
5	2509	2524	2539	2548	2556	2561	2564	2568	2570	2568	2564	2554	2536	2517	2493	2469	2447	2431	2424
10	2541	2568	2585	2588	2587	2590	2592	2603	2615	2628	2632	2622	2594	2553	2496	2435	2376	2330	2311
15	2607	2640	2650	2634	2617	2609	2610	2630	2655	2688	2713	2712	2676	2611	2513	2397	2284	2187	2148
20	2688	2726	2722	2694	2652	2624	2621	2651	2702	2761	2798	2808	2765	2676	2532	2340	2150	1994	1931
25	2771	2812	2801	2762	2689	2633	2621	2666	2751	2842	2888	2904	2858	2747	2545	2252	1967	1753	1672
30	2851	2900	2894	2842	2724	2621	2589	2658	2798	2935	2992	3002	2950	2813	2544	2130	1741	1487	1408
35	2927	2987	2997	2933	2744	2554	2485	2594	2826	3044	3113	3103	3034	2866	2519	1966	1499	1249	1180
40	3011	3087	3120	3034	2702	2379	2253	2410	2785	3159	3257	3213	3119	2906	2455	1747	1253	1059	1013
45	3107	3216	3281	3111	2536	2053	1875	2061	2598	3247	3448	3365	3230	2937	2337	1480	1059	939	904
50	3236	3401	3498	3110	2166	1582	1368	1567	2169	3229	3700	3609	3390	2947	2139	1151	916	836	813
55	3428	3694	3762	2888	1609	877	708	827	1551	2913	4006	3996	3625	2897	1830	895	774	718	705
60	3706	4166	3981	2223	678	396	349	373	575	2135	4185	4525	3908	2654	1373	679	618	582	579
65	3973	4796	3724	1432	290	250	239	242	268	1247	3526	5032	3952	2016	662	447	422	392	398
70	3730	5083	2263	726	193	175	167	167	180	642	1896	4512	3189	1028	301	238	234	230	240
75	2128	3249	1141	293	119	108	101	101	105	192	824	1666	1087	181	134	111	119	124	128
80	277	656	347	79.9	56.1	51.3	45.8	46.2	46.3	57.4	209	296	128	64.1	53.3	44.7	50.5	55.5	57.4
85	43.9	85.4	65.1	21.6	15.1	12.9	10.7	10.7	10.9	13.3	28.3	27.3	19.6	13.7	13.0	11.7	13.0	13.2	14.1
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:2023-10-24

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:219.3V I:0.2789A P:60.05W PF:0.9818 Freq:60.01Hz Lamp Flux:9379.94x1 lm		
NAME: AOK iL02	TYPE:LED Street Light	WEIGHT:4.5kg
SPEC.:AOK-60WiL02-NVS-L3-00-3070-T201-P	DIM.: 530*240*75mm	SERIAL No.:
MFR.: AOK	SUR.:200*150mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	2508	2508	2508	2508	2508														
5	2423	2432	2446	2466	2487														
10	2310	2341	2385	2440	2494														
15	2157	2227	2326	2433	2532														
20	1955	2081	2249	2433	2585														
25	1712	1893	2153	2433	2643														
30	1456	1673	2023	2420	2695														
35	1226	1445	1864	2385	2739														
40	1044	1213	1667	2328	2777														
45	930	1044	1424	2224	2797														
50	836	920	1148	2072	2810														
55	725	790	925	1822	2791														
60	592	645	731	1450	2659														
65	409	460	511	830	2212														
70	244	264	289	384	1363														
75	132	137	137	168	267														
80	61.6	62.2	57.6	72.1	91.7														
85	16.2	18.0	18.0	23.5	27.4														
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:  
 Test Date:2023-10-24

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: