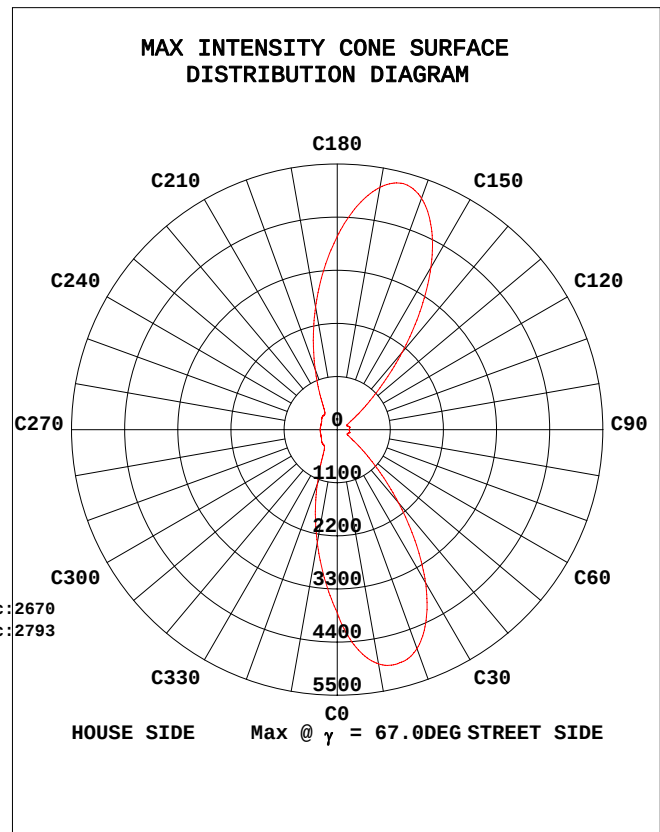
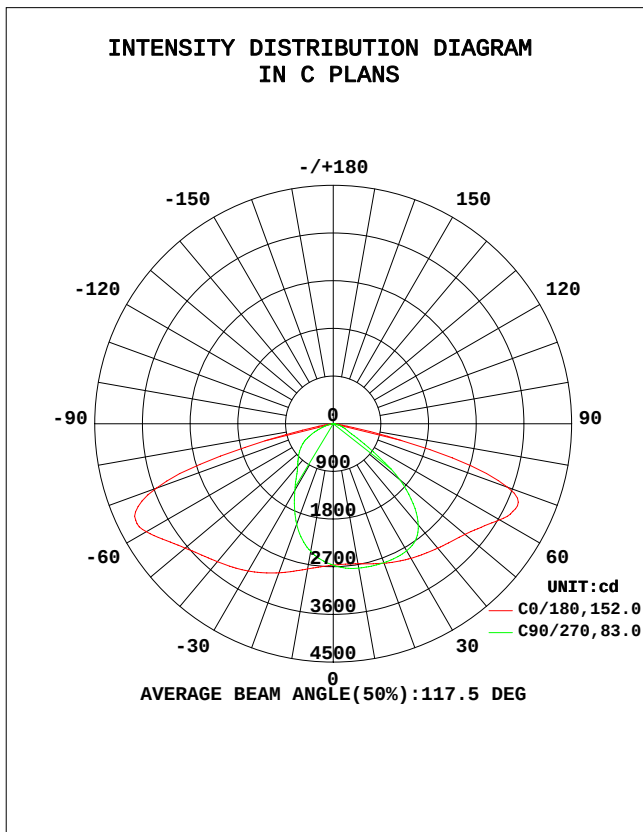


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70W iLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.43 lm/W			
MODEL	3030	I _{max} (cd)	5276	η street_up(%)	0.0
NOMINAL POWER(W)	70	LOR(%)	100.0	η street_down(%)	61.8
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	10047	η house_up(%)	0.0
NOMINAL FLUX(lm)	10047	MAXIMUM @(C,γ)	165,67.0	η house_down(%)	38.2
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.447

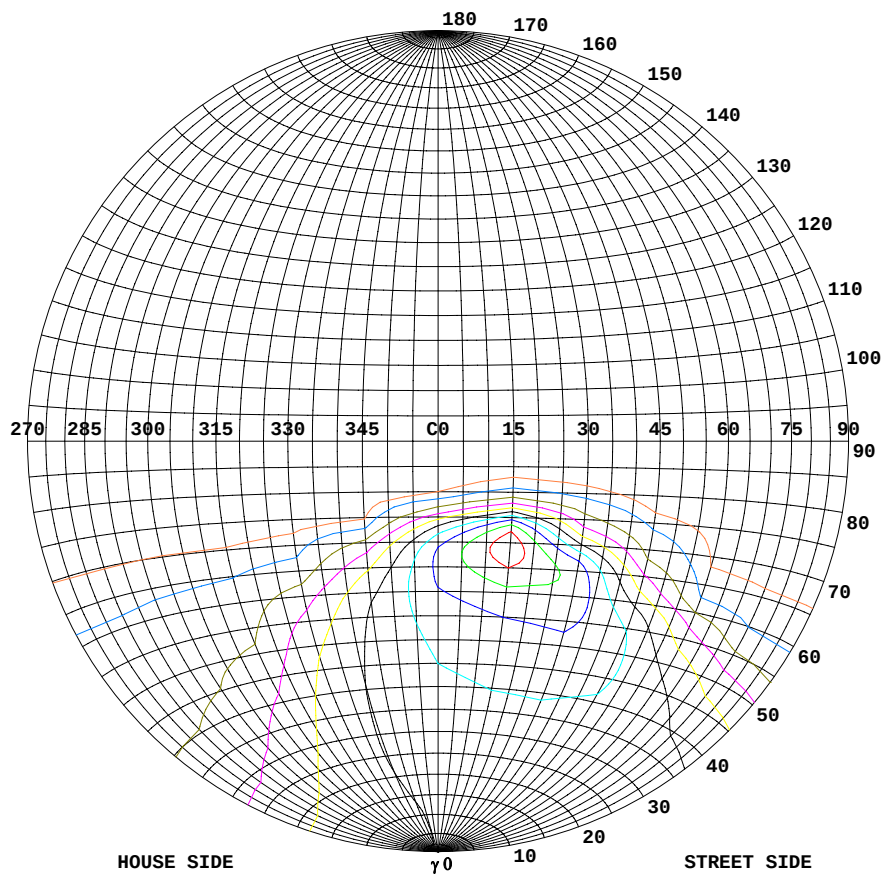


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-70WiLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



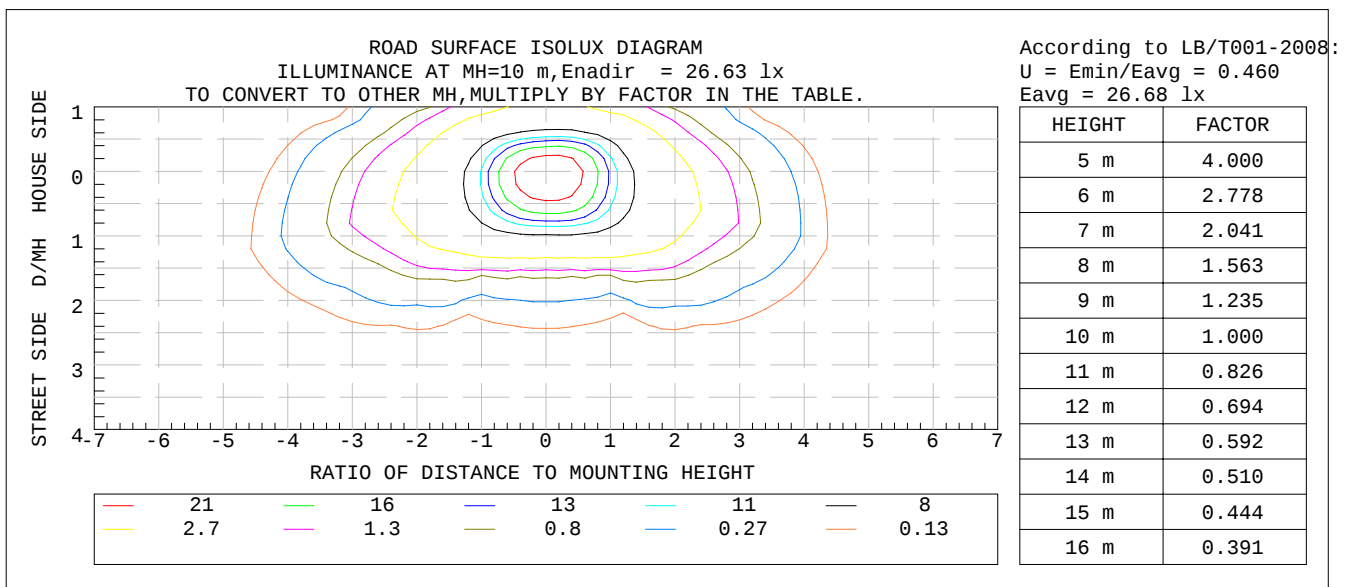
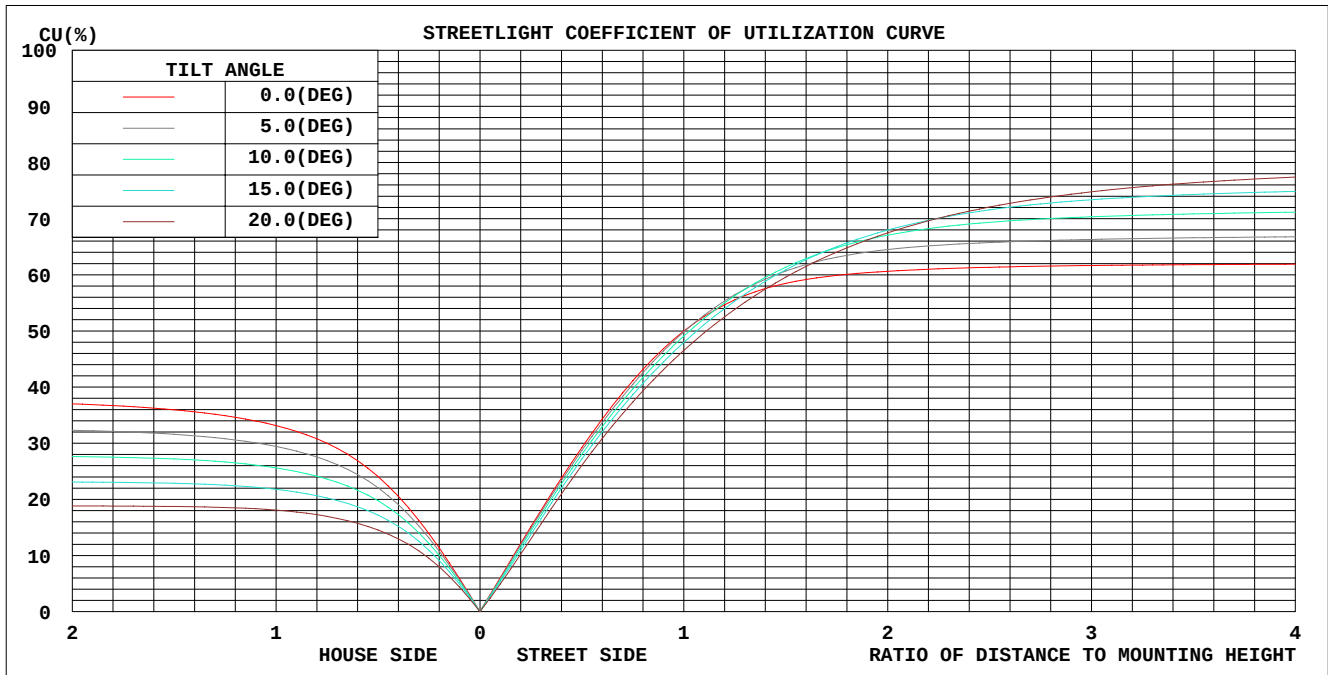
Classification:

IES:Type II - Medium
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:71.18cd/klm
Max.At90:0cd/klm
Max.80-90:71.18cd/klm
NRB 5101:Limited[4.9%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5276
90%	4749
80%	4221
70%	3693
60%	3166
50%	2638
40%	2110
30%	1583
20%	1055
10%	528
5%	264

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_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: 2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70WiLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

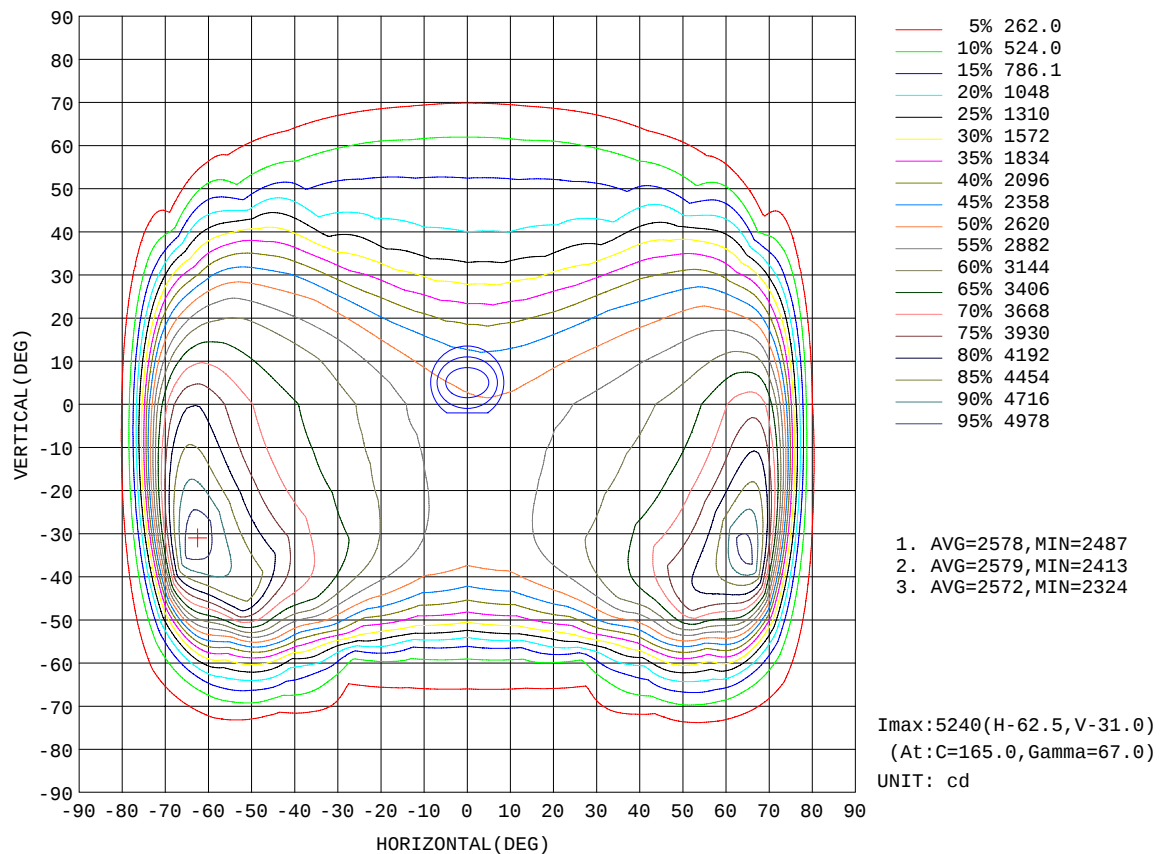
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2683	2748	2768	2819	2783	2603	2449	2521	0- 10	255.0	255.0	2.54,2.54
20	2802	2836	2791	2969	2992	2493	2019	2347	10- 20	755.9	1011	10.1,10.1
30	2934	2954	2770	3158	3210	2259	1452	2071	20- 30	1218	2228	22.2,22.2
40	3066	3129	2499	3405	3400	1846	1047	1675	30- 40	1608	3836	38.2,38.2
50	3248	3264	1638	3574	3651	1222	839.6	1143	40- 50	1883	5720	56.9,56.9
60	3629	2502	456.7	2705	4076	743.2	597.3	735.2	50- 60	1936	7656	76.2,76.2
70	3498	866.6	198.0	910.4	3547	278.9	256.9	281.7	60- 70	1638	9294	92.5,92.5
80	264.5	110.0	56.55	95.72	273.5	52.44	56.45	53.39	70- 80	705.3	9999	99.5,99.5
90	0	0	0	0	0	0	0	0	80- 90	47.92	10047	100,100
100	0	0	0	0	0	0	0	0	90-100	0	10047	100,100
110	0	0	0	0	0	0	0	0	100-110	0	10047	100,100
120	0	0	0	0	0	0	0	0	110-120	0	10047	100,100
130	0	0	0	0	0	0	0	0	120-130	0	10047	100,100
140	0	0	0	0	0	0	0	0	130-140	0	10047	100,100
150	0	0	0	0	0	0	0	0	140-150	0	10047	100,100
160	0	0	0	0	0	0	0	0	150-160	0	10047	100,100
170	0	0	0	0	0	0	0	0	160-170	0	10047	100,100
180	0	0	0	0	0	0	0	0	170-180	0	10047	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:2023-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

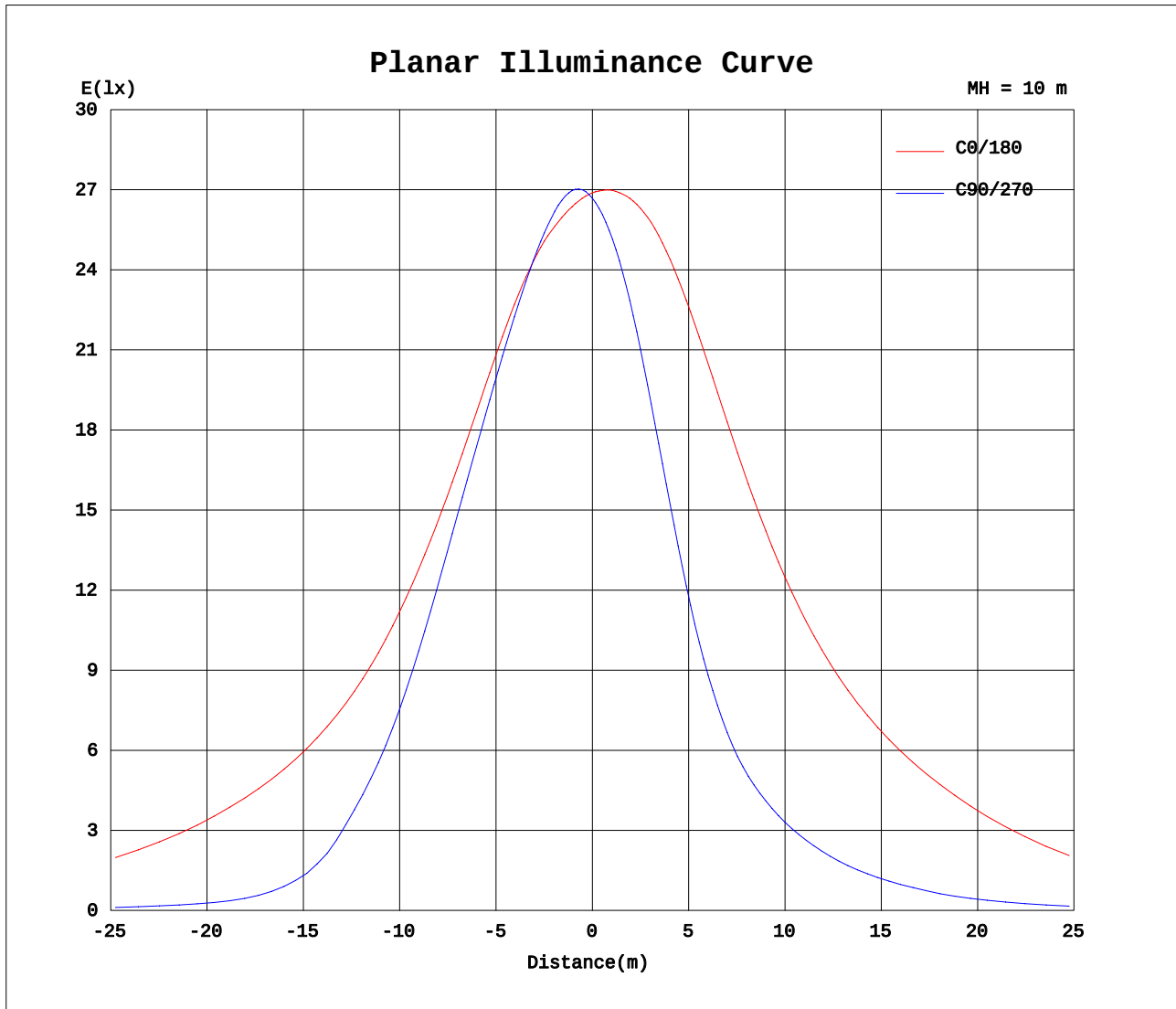
Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70W iLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

Planar Illuminance Curve



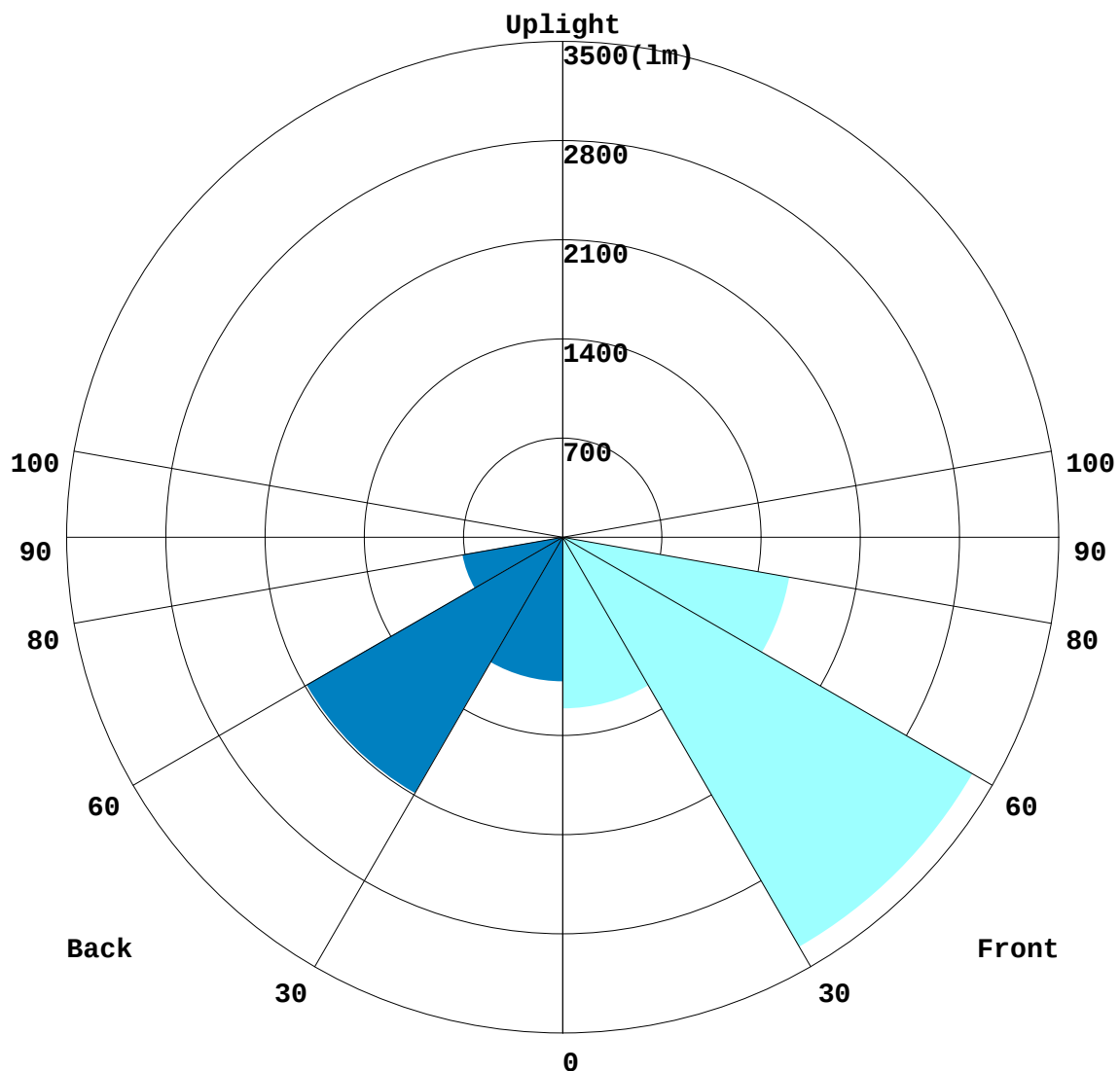
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity: 65.0%
Test Distance: 7.682m [K=1.0000]
Remarks:

LCS REPORT

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70WiLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

BUG REPORT

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70WiLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1209.8	12.0
FM - Front-Medium(30-60)	3340.9	33.3
FH - Front-High(60-80)	1625	16.2
FVH - Front-Very High(80-90)	34.52	0.3
Total Forward Light	6210.2	61.8

BL - Back-Low(0-30)	1018.6	10.1
BM - Back-Medium(30-60)	2086.8	20.8
BH - Back-High(60-80)	717.96	7.1
BVH - Back-Very High(80-90)	13.397	0.1
Total Back Light	3836.7	38.2

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-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3836.7	0	3836.7
Street Side	6210.2	0	6210.2

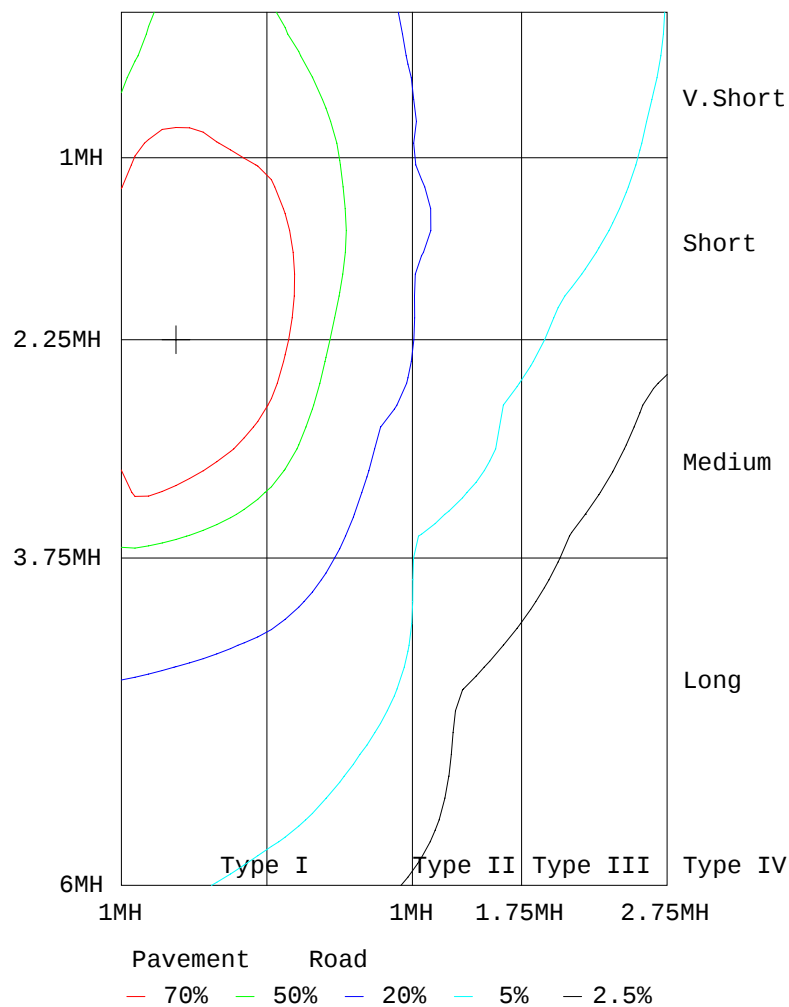
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-70W iLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70WiLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--1

UNIT: cd

C(°) \ γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670	2670
5	2660	2679	2696	2710	2720	2730	2735	2742	2744	2745	2741	2729	2712	2689	2662	2635	2610	2588	2578
10	2683	2716	2738	2748	2752	2760	2768	2785	2802	2819	2825	2813	2783	2737	2672	2603	2535	2476	2449
15	2738	2780	2795	2788	2776	2775	2783	2811	2847	2891	2923	2921	2881	2809	2695	2559	2427	2312	2263
20	2802	2851	2859	2836	2803	2787	2791	2833	2895	2969	3026	3040	2992	2890	2717	2493	2275	2094	2019
25	2869	2923	2921	2890	2835	2793	2792	2846	2948	3059	3130	3154	3105	2977	2733	2391	2069	1825	1734
30	2934	2997	2992	2954	2870	2788	2770	2847	3003	3158	3245	3267	3210	3056	2737	2259	1822	1541	1452
35	2997	3071	3080	3032	2897	2746	2697	2808	3047	3276	3369	3377	3306	3118	2713	2082	1566	1293	1213
40	3066	3157	3189	3129	2882	2605	2499	2664	3039	3405	3515	3494	3400	3160	2647	1846	1306	1101	1047
45	3144	3266	3334	3221	2763	2312	2135	2343	2906	3521	3703	3639	3507	3184	2524	1564	1113	980	936
50	3248	3425	3538	3264	2443	1841	1638	1846	2532	3574	3950	3857	3651	3179	2315	1222	966	869	840
55	3407	3678	3808	3130	1866	1169	927	1140	1889	3406	4272	4189	3845	3111	1999	965	817	746	729
60	3629	4074	4091	2502	1052	521	457	513	979	2705	4563	4653	4076	2865	1545	743	661	612	597
65	3796	4727	4008	1648	357	292	280	291	345	1768	4355	5182	4136	2286	818	512	450	425	425
70	3498	5097	2683	867	230	206	198	205	222	910	2648	5034	3547	1327	377	279	266	252	257
75	1886	3420	1252	412	142	127	122	127	138	383	1213	2853	1728	271	167	127	131	130	131
80	265	715	400	110	66.6	61.5	56.6	60.5	64.9	95.7	366	508	274	94.0	66.6	52.4	55.9	57.6	56.5
85	39.2	80.2	80.3	24.7	16.8	15.3	13.2	14.7	16.2	22.6	61.7	62.2	32.1	19.9	17.3	13.2	13.2	11.7	11.6
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:2023-06-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
Humidity:65.0%
Test Distance:7.682m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.4V I:0.3258A P:68.61W PF:0.9598 Freq:60.01Hz Lamp Flux:10047x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-70WiLA-NVS-L3-00-3070-T201-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345													
0	2670	2670	2670	2670	2670													
5	2574	2583	2594	2615	2637													
10	2444	2477	2521	2580	2636													
15	2266	2340	2443	2562	2661													
20	2036	2169	2347	2545	2697													
25	1768	1955	2224	2522	2736													
30	1494	1713	2071	2481	2768													
35	1252	1471	1892	2421	2794													
40	1073	1232	1675	2338	2816													
45	958	1069	1418	2207	2815													
50	857	939	1143	2026	2795													
55	742	804	931	1749	2737													
60	607	659	735	1346	2536													
65	427	455	517	755	2051													
70	255	271	282	372	1197													
75	132	134	129	161	240													
80	57.1	58.0	53.4	65.3	88.0													
85	11.6	13.5	13.5	18.7	22.6													
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:2023-06-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000A_V1 SYSTEM V2.0.363T
 Humidity:65.0%
 Test Distance:7.682m [K=1.0000]
 Remarks: