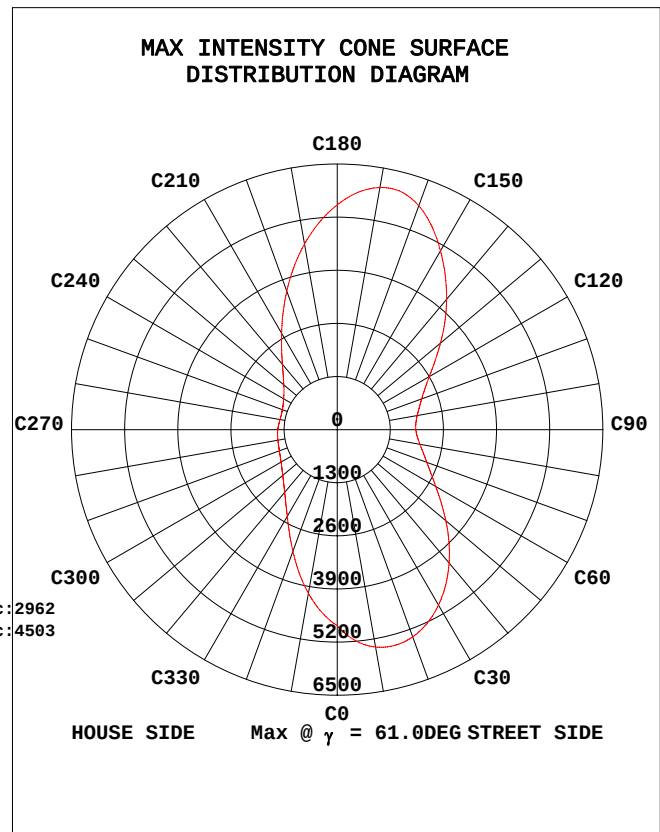
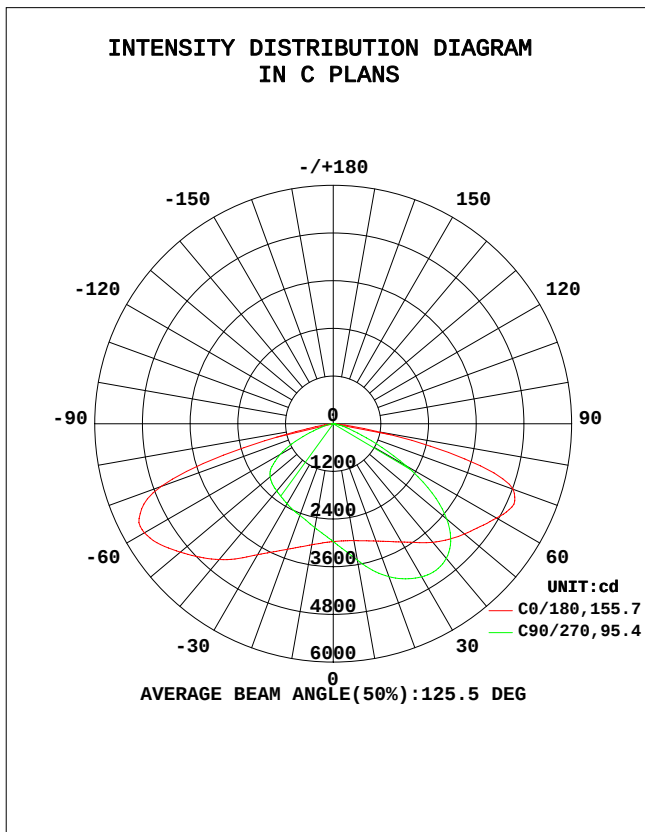


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.4V I:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 155.28 lm/W			
MODEL	3030	I _{max} (cd)	6032	η street_up(%)	0.0
NOMINAL POWER(W)	100	LOR(%)	100.0	η street_down(%)	61.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	14820	η house_up(%)	0.0
NOMINAL FLUX(lm)	14819.5	MAXIMUM @(C,γ)	165,61.0	η house_down(%)	38.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	21.622

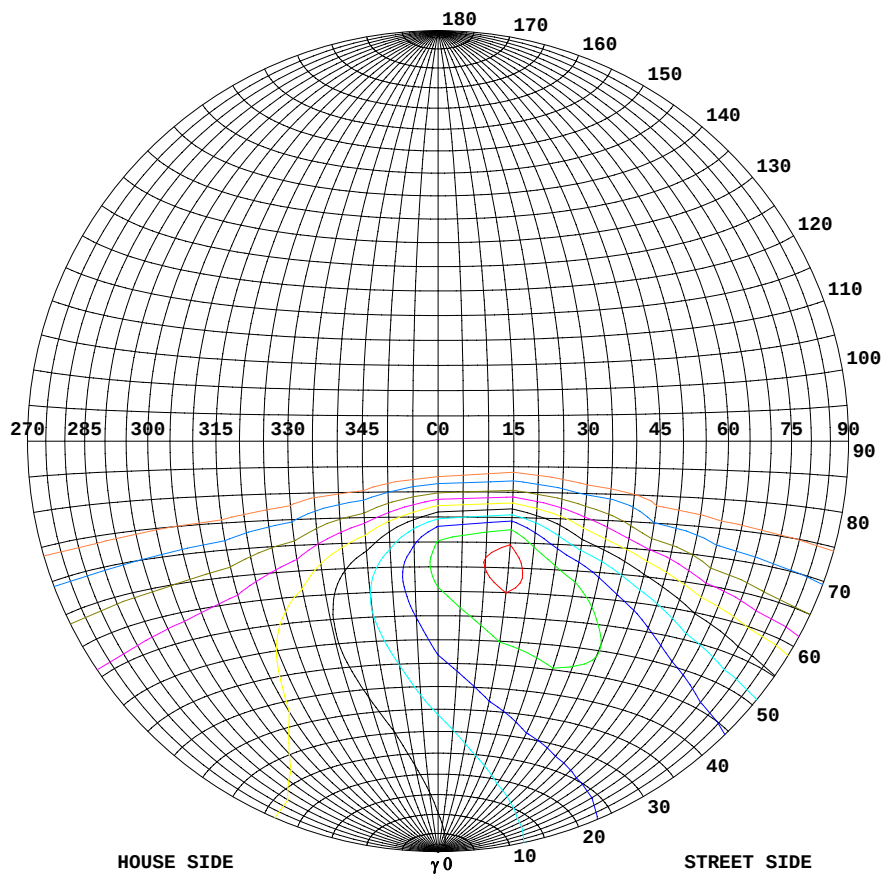


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



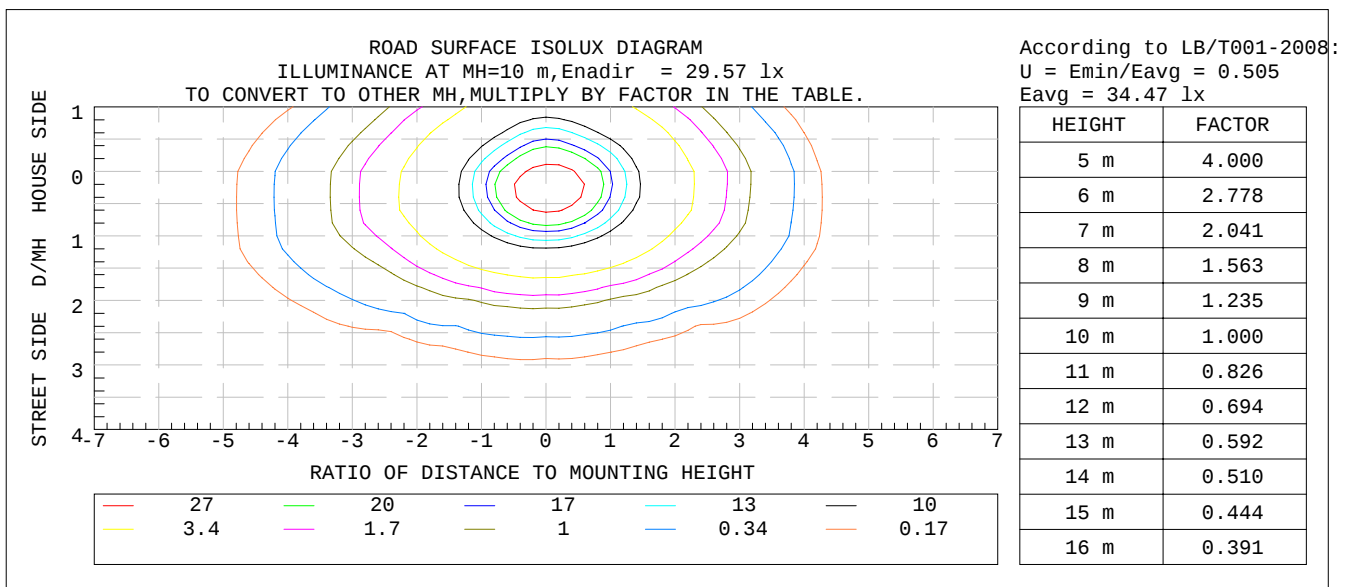
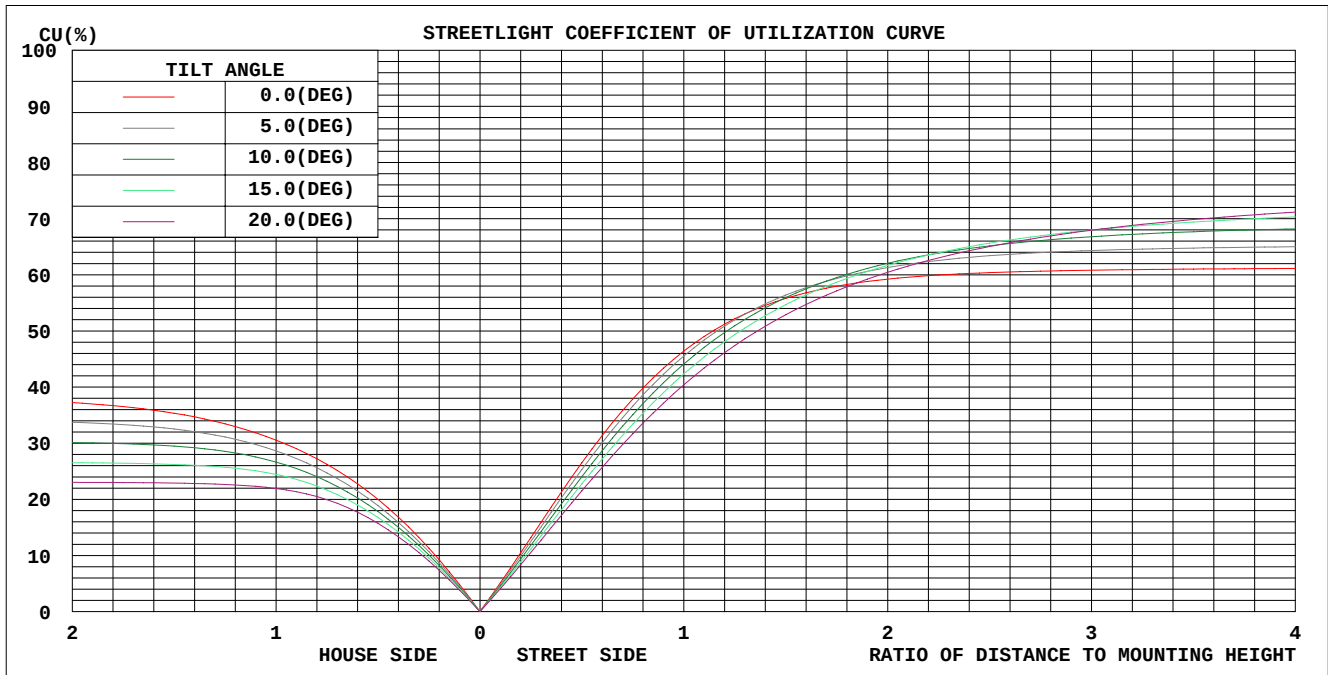
Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Full cut-off
CIE:Semi-cut-off
Max.At80:90.44cd/klm
Max.At90:0cd/klm
Max.80-90:90.44cd/klm
NRB 5101:Semi limited[22.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	6032
90%	5429
80%	4825
70%	4222
60%	3619
50%	3016
40%	2413
30%	1810
20%	1206
10%	603
5%	302

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-24

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: 2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

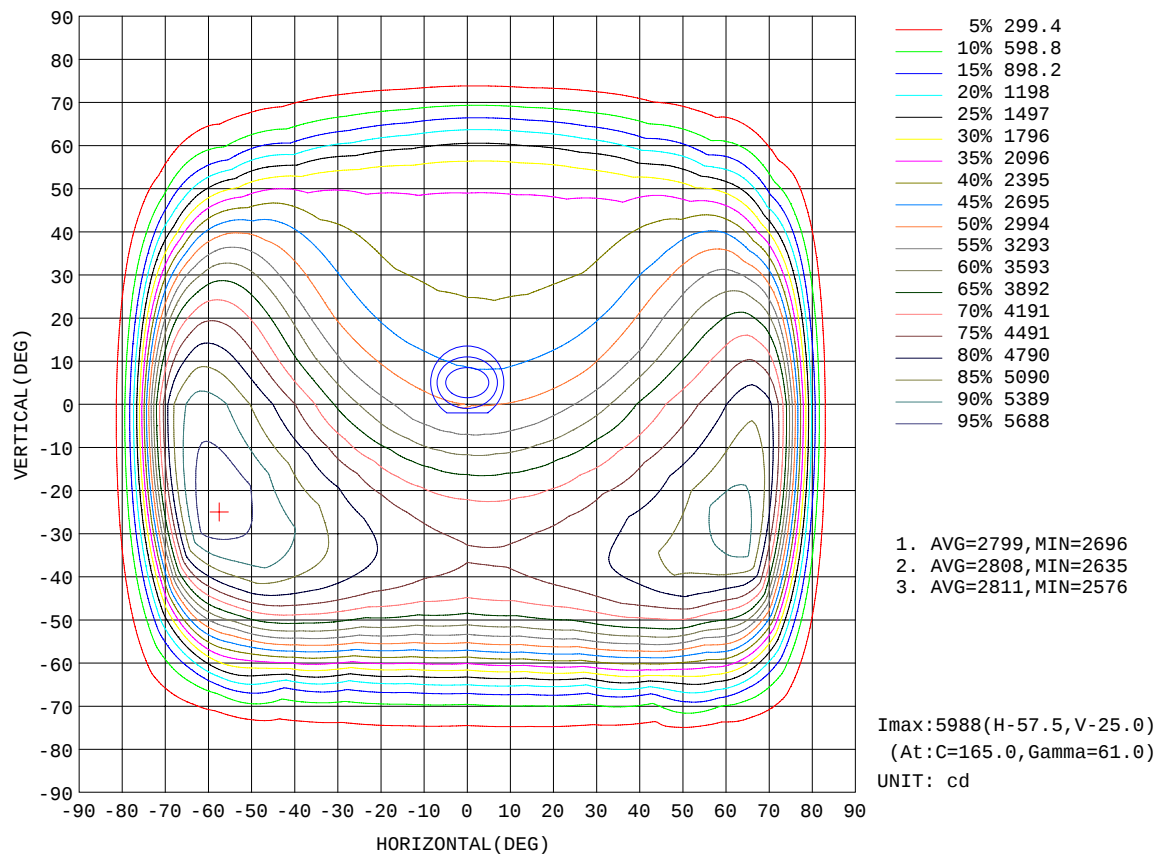
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum,lamp
10	2988	3303	3483	3387	3093	2792	2661	2734	0- 10	287.4	287.4	1.94,1.94
20	3143	3836	4095	4019	3362	2685	2458	2597	10- 20	899.3	1187	8.01,8.01
30	3438	4305	4449	4588	3807	2616	2328	2494	20- 30	1574	2760	18.6,18.6
40	3896	4648	4425	4975	4461	2575	2211	2407	30- 40	2269	5030	33.9,33.9
50	4315	4736	3730	4963	5027	2462	2074	2290	40- 50	2881	7911	53.4,53.4
60	4745	4018	2120	3910	5487	1964	1538	1926	50- 60	3154	11065	74.7,74.7
70	4815	1822	557.3	1465	4602	679.8	532.6	792.7	60- 70	2589	13655	92.1,92.1
80	1098	204.2	113.5	184.1	460.5	117.0	102.1	135.4	70- 80	1076	14731	99.4,99.4
90	0	0	0	0	0	0	0	0	80- 90	88.61	14820	100,100
100	0	0	0	0	0	0	0	0	90-100	0	14820	100,100
110	0	0	0	0	0	0	0	0	100-110	0	14820	100,100
120	0	0	0	0	0	0	0	0	110-120	0	14820	100,100
130	0	0	0	0	0	0	0	0	120-130	0	14820	100,100
140	0	0	0	0	0	0	0	0	130-140	0	14820	100,100
150	0	0	0	0	0	0	0	0	140-150	0	14820	100,100
160	0	0	0	0	0	0	0	0	150-160	0	14820	100,100
170	0	0	0	0	0	0	0	0	160-170	0	14820	100,100
180	0	0	0	0	0	0	0	0	170-180	0	14820	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:2023-07-24

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

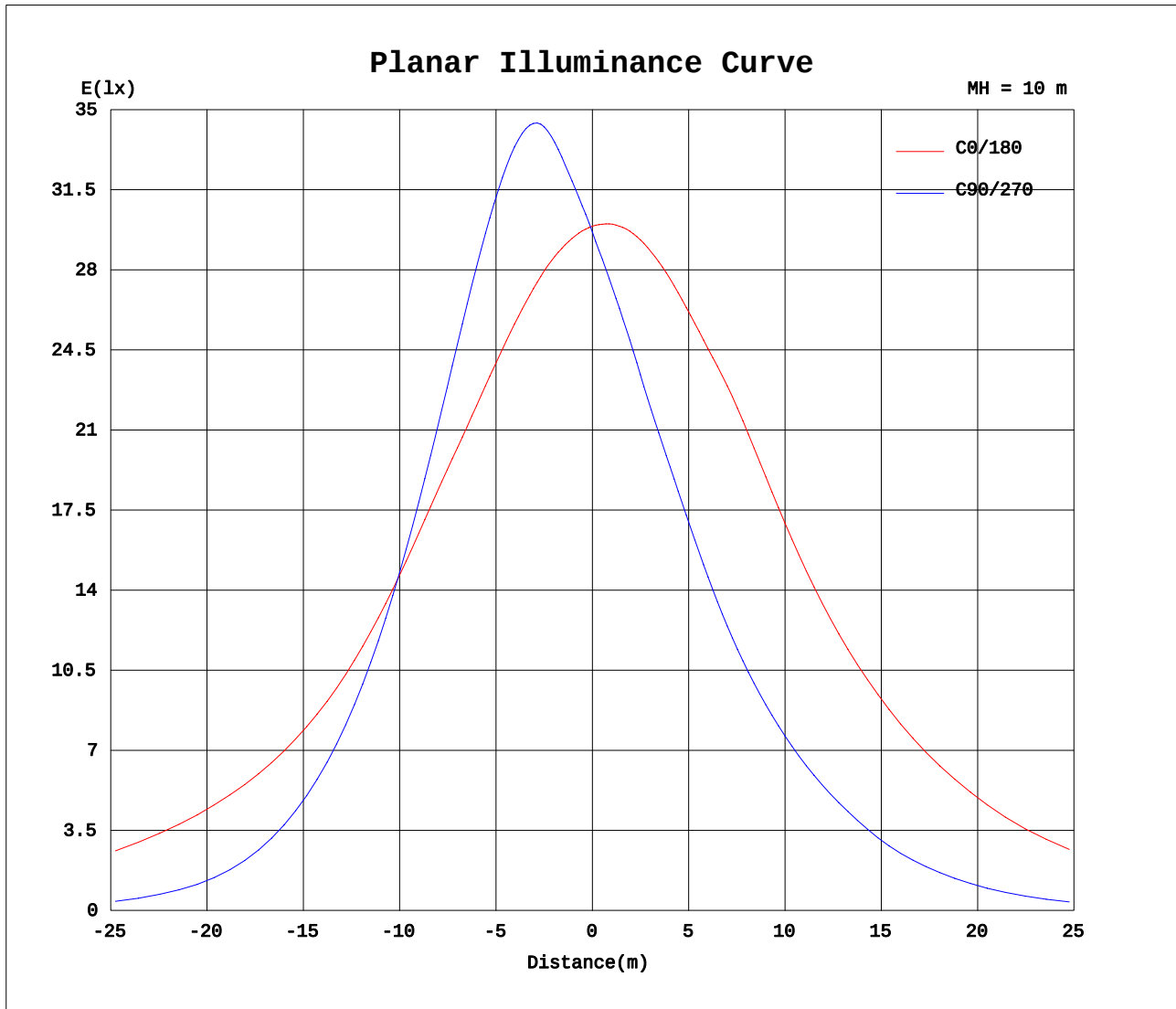
Test:U:219.4V I:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-24

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



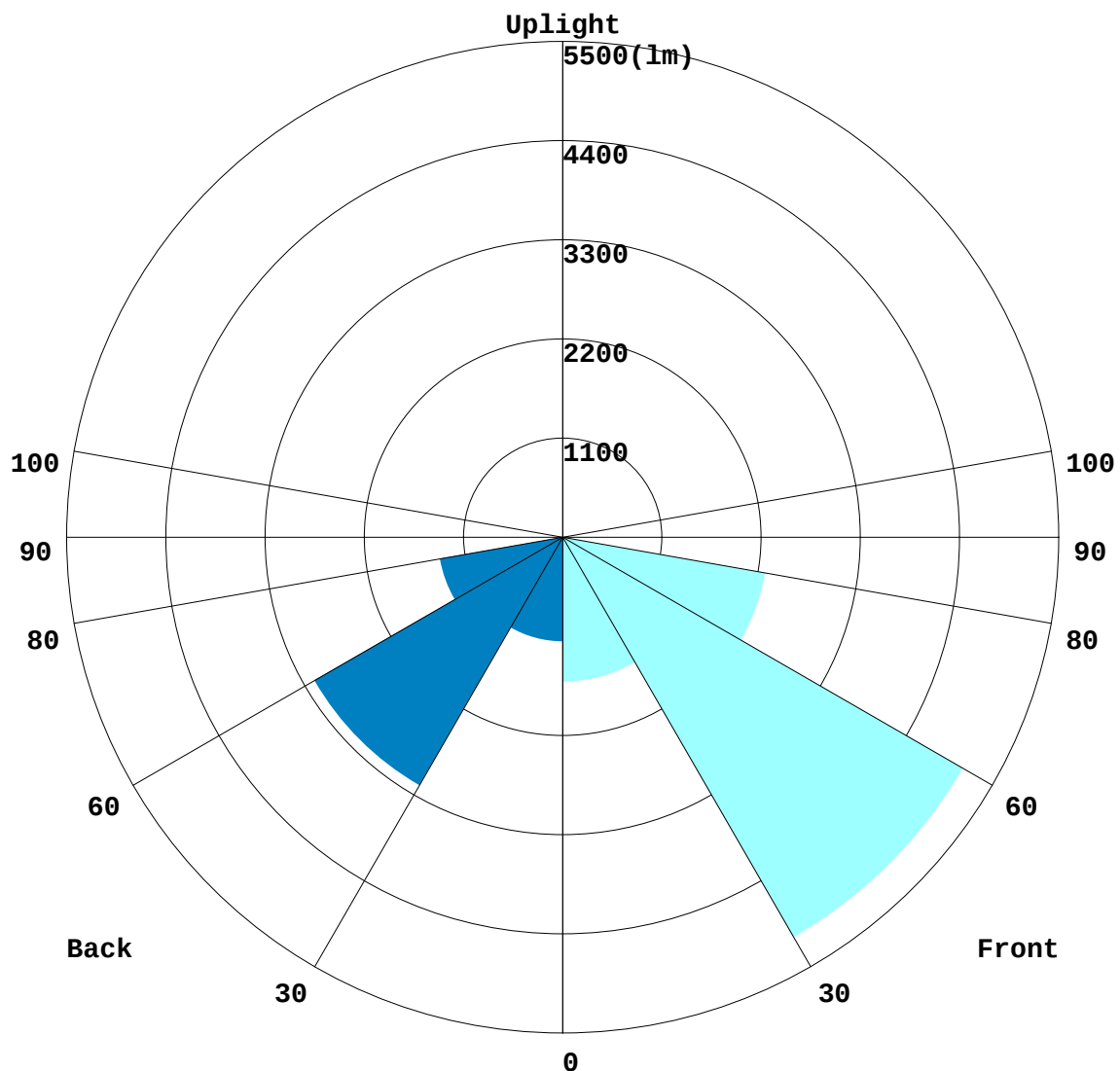
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-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:2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-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)	1604	10.8
FM - Front-Medium(30-60)	5125.5	34.6
FH - Front-High(60-80)	2282.9	15.4
FVH - Front-Very High(80-90)	60.126	0.4
Total Forward Light	9072.4	61.2

BL - Back-Low(0-30)	1156.4	7.8
BM - Back-Medium(30-60)	3179.5	21.5
BH - Back-High(60-80)	1382.6	9.3
BVH - Back-Very High(80-90)	28.48	0.2
Total Back Light	5747.1	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	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5747.1	0	5747.1
Street Side	9072.4	0	9072.4

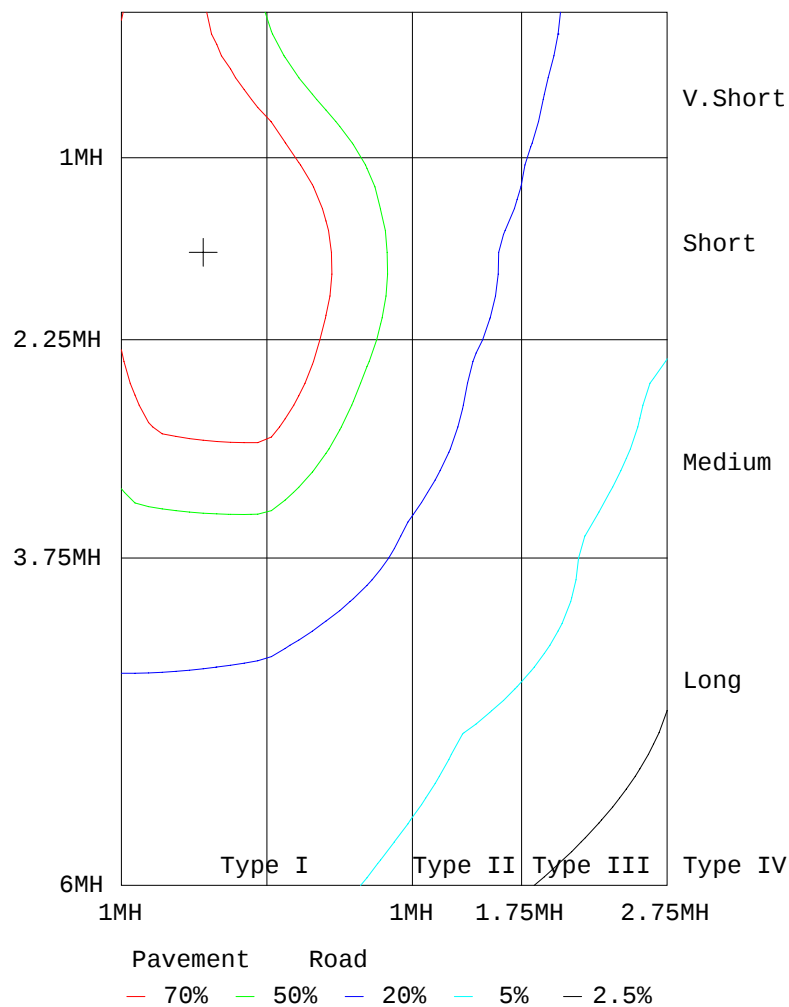
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-100W iLA-NV-L3-00-3070-T231-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:2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	WEIGHT:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	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	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966	2966
5	2959	3010	3062	3108	3148	3175	3191	3191	3177	3148	3111	3065	3011	2959	2907	2863	2828	2807	2795
10	2988	3093	3204	3303	3392	3450	3483	3482	3452	3387	3307	3206	3093	2984	2878	2792	2723	2681	2661
15	3050	3221	3406	3563	3692	3771	3815	3817	3783	3693	3566	3392	3209	3032	2867	2735	2633	2568	2542
20	3143	3395	3649	3836	3970	4048	4095	4114	4097	4019	3877	3635	3362	3102	2868	2685	2554	2486	2458
25	3270	3609	3899	4085	4197	4264	4306	4343	4356	4323	4205	3933	3556	3200	2883	2644	2494	2423	2393
30	3438	3849	4145	4305	4381	4420	4449	4509	4560	4588	4522	4270	3807	3328	2914	2616	2442	2361	2328
35	3649	4092	4375	4497	4516	4506	4503	4592	4706	4811	4810	4605	4138	3500	2965	2595	2391	2299	2263
40	3896	4331	4588	4648	4574	4476	4425	4548	4747	4975	5077	4923	4461	3705	3030	2575	2339	2243	2211
45	4113	4563	4787	4742	4517	4296	4180	4334	4639	5045	5312	5229	4748	3937	3091	2540	2277	2182	2159
50	4315	4806	4969	4736	4273	3897	3730	3889	4311	4963	5483	5545	5027	4139	3118	2462	2176	2083	2074
55	4514	5082	5082	4542	3759	3252	3041	3198	3689	4618	5505	5864	5306	4245	3064	2294	1993	1891	1886
60	4745	5400	5019	4018	2972	2383	2120	2290	2808	3910	5186	6029	5487	4165	2818	1964	1620	1507	1538
65	4959	5612	4522	3104	1887	1368	1205	1294	1663	2853	4304	5828	5362	3704	2216	1346	1084	1008	1054
70	4815	5353	3327	1822	863	658	557	621	771	1465	2954	4803	4602	2641	1256	680	566	514	533
75	3428	3875	1936	608	367	309	280	303	343	518	1503	2530	2325	1121	438	287	269	247	244
80	1098	1340	527	204	158	126	113	121	148	184	324	631	461	210	140	117	118	101	102
85	122	150	94.2	50.6	37.6	32.6	29.3	29.9	31.9	38.2	54.4	73.3	45.1	37.6	30.3	24.7	25.8	23.4	25.6
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:2023-07-24

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:0.4493A P:95.44W PF:0.9683 Freq:60.01Hz Lamp Flux:14819.5x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-100WiLA-NV-L3-00-3070-T231-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	2966	2966	2966	2966	2966													
5	2795	2807	2832	2865	2909													
10	2664	2686	2734	2799	2886													
15	2548	2589	2660	2759	2892													
20	2466	2508	2597	2731	2915													
25	2402	2445	2541	2711	2959													
30	2339	2387	2494	2699	3027													
35	2276	2328	2450	2700	3122													
40	2226	2275	2407	2711	3245													
45	2176	2221	2359	2726	3389													
50	2095	2139	2290	2722	3530													
55	1926	1993	2162	2662	3629													
60	1571	1679	1926	2503	3635													
65	1086	1194	1429	2108	3439													
70	553	642	793	1377	2745													
75	258	290	335	546	1472													
80	103	129	135	173	330													
85	25.5	30.4	30.7	40.7	58.9													
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:2023-07-24

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: