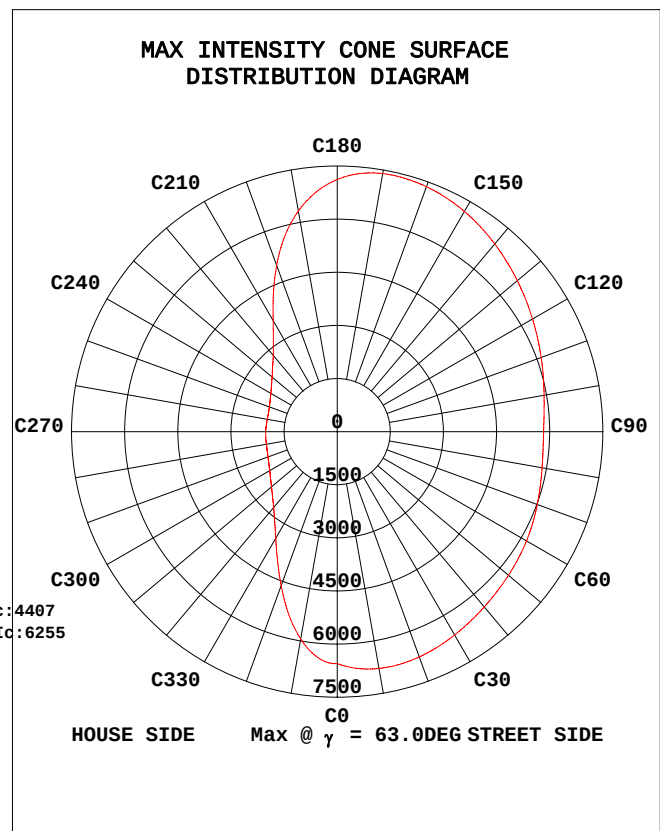
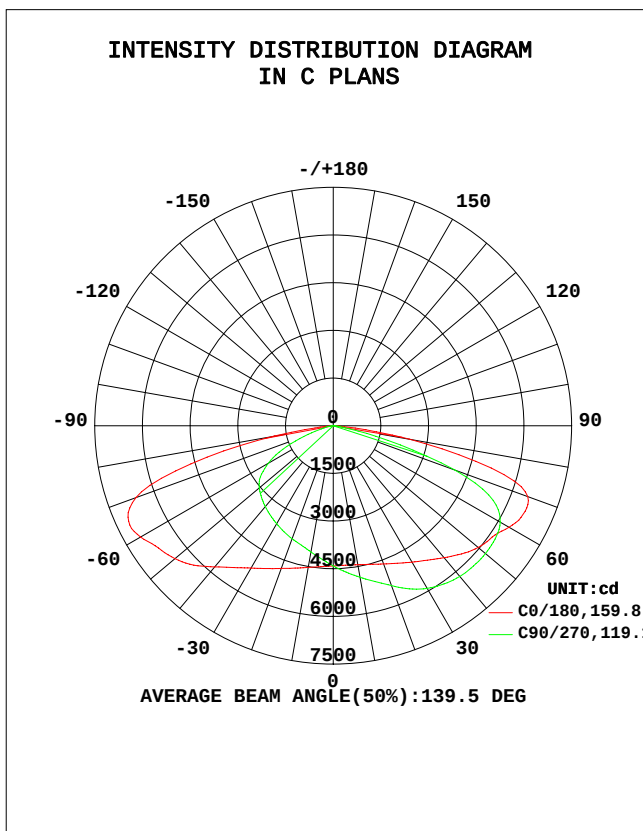


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.60 lm/W			
MODEL	3030	I _{max} (cd)	7404	η street_up(%)	0.0
NOMINAL POWER(W)	150	LOR(%)	100.0	η street_down(%)	63.2
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	23382	η house_up(%)	0.0
NOMINAL FLUX(lm)	23382.4	MAXIMUM @(C,γ)	165,63.0	η house_down(%)	36.8
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	22.681

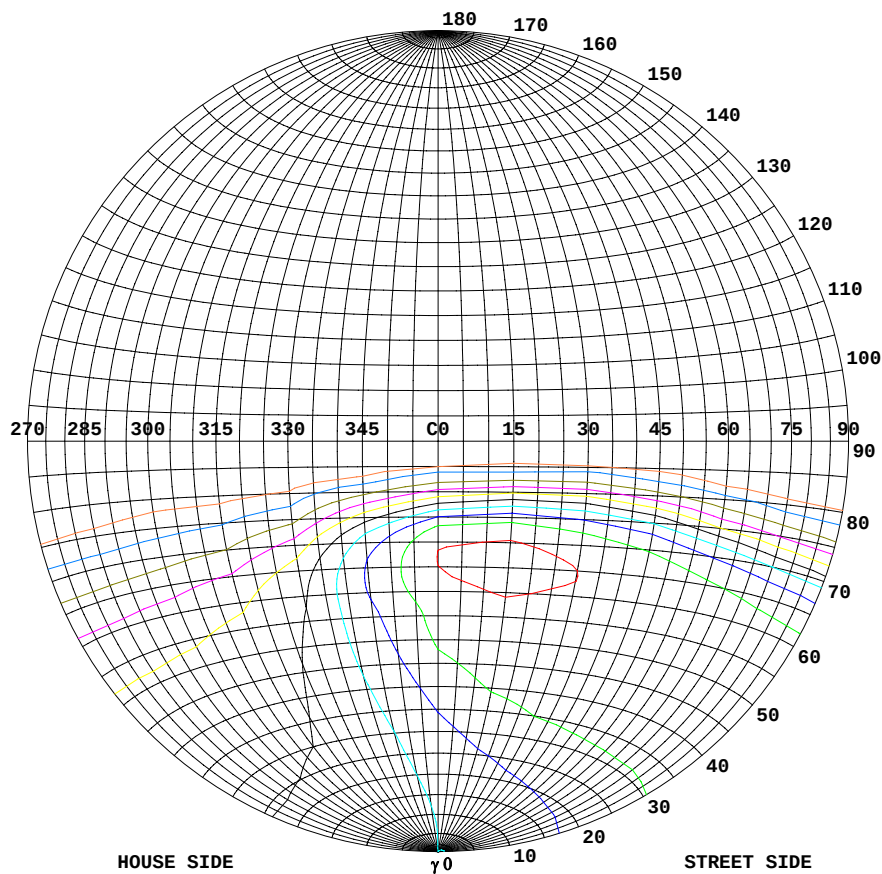


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



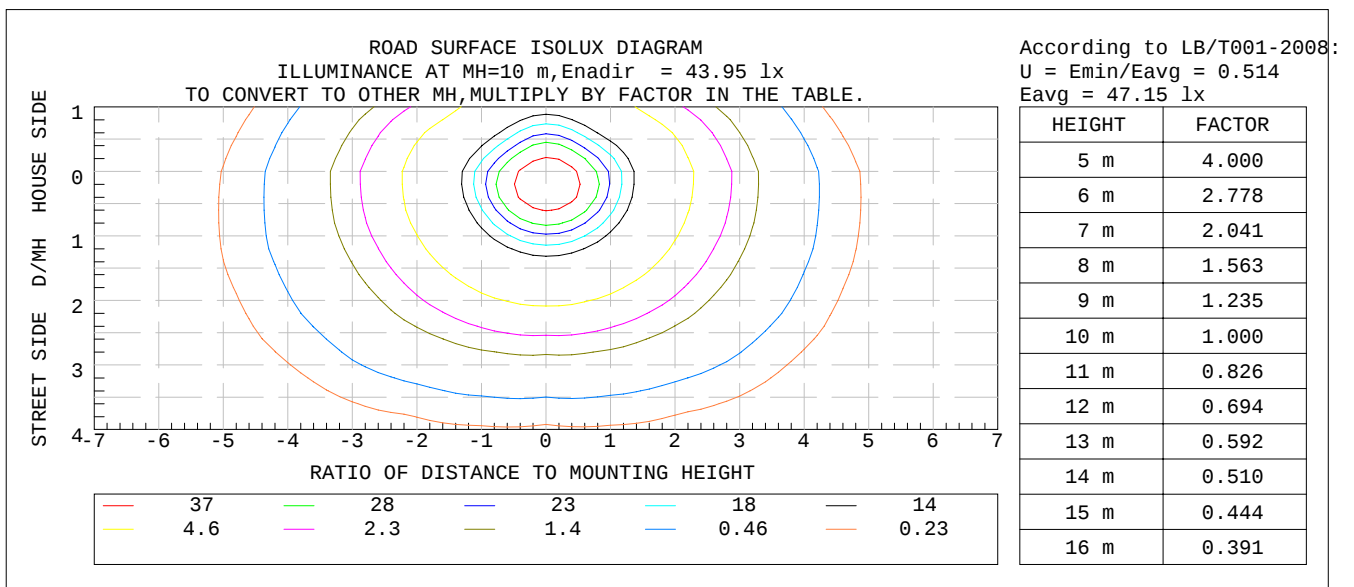
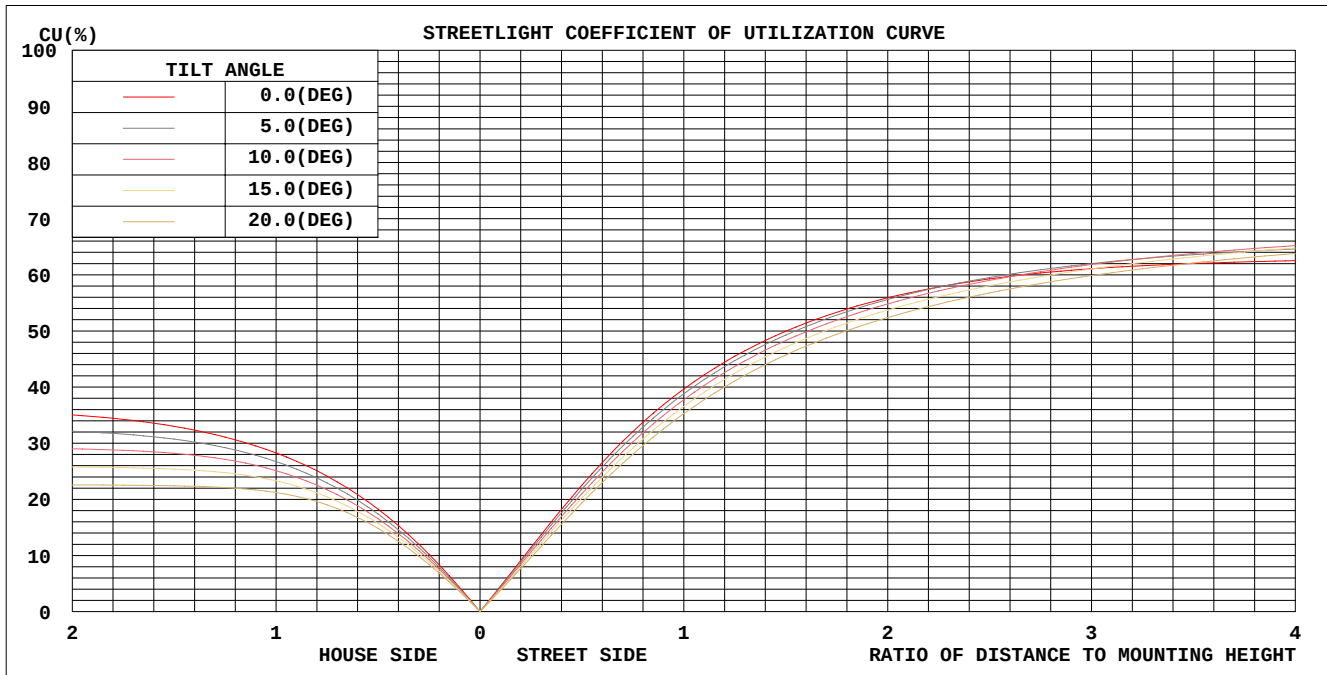
Classification:

IES:Type IV - Short
 CIE:Broad - Intermediate
 IES:Semi cut-off
 CIE:Non-cut-off
 Max.At80:121.4cd/klm
 Max.At90:0cd/klm
 Max.80-90:121.4cd/klm
 NRB 5101:Semi limited[21.7%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	7404
90%	6664
80%	5923
70%	5183
60%	4442
50%	3702
40%	2962
30%	2221
20%	1481
10%	740
5%	370

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-09

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: 2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150W iLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:

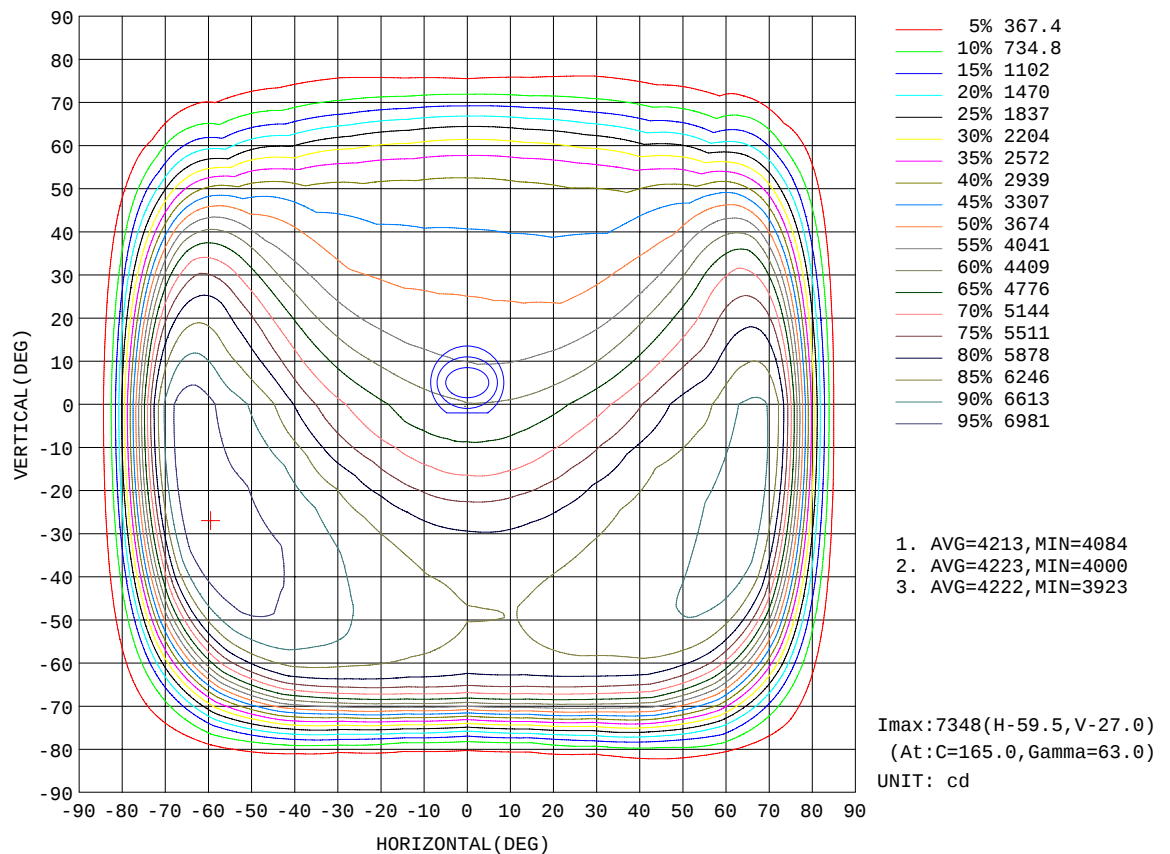
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	4440	4719	4839	4792	4527	4194	4036	4138	0- 10	423.4	423.4	1.81,1.81
20	4627	5158	5351	5307	4777	4019	3785	3926	10- 20	1286	1710	7.31,7.31
30	4954	5749	5907	5993	5171	3846	3561	3725	20- 30	2198	3908	16.7,16.7
40	5420	6177	6190	6523	5796	3678	3325	3535	30- 40	3129	7037	30.1,30.1
50	5955	6367	6252	6782	6502	3461	3040	3315	40- 50	3989	11026	47.2,47.2
60	6386	6426	6065	6868	7001	2920	2354	2856	50- 60	4633	15659	67,67
70	6509	5855	4068	5959	6603	1394	986.2	1499	60- 70	4679	20338	87,87
80	2424	1780	392.6	1546	1882	244.2	173.9	282.3	70- 80	2740	23078	98.7,98.7
90	0	0	0	0	0	0	0	0	80- 90	304.1	23382	100,100
100	0	0	0	0	0	0	0	0	90-100	0	23382	100,100
110	0	0	0	0	0	0	0	0	100-110	0	23382	100,100
120	0	0	0	0	0	0	0	0	110-120	0	23382	100,100
130	0	0	0	0	0	0	0	0	120-130	0	23382	100,100
140	0	0	0	0	0	0	0	0	130-140	0	23382	100,100
150	0	0	0	0	0	0	0	0	140-150	0	23382	100,100
160	0	0	0	0	0	0	0	0	150-160	0	23382	100,100
170	0	0	0	0	0	0	0	0	160-170	0	23382	100,100
180	0	0	0	0	0	0	0	0	170-180	0	23382	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:2022-08-09

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

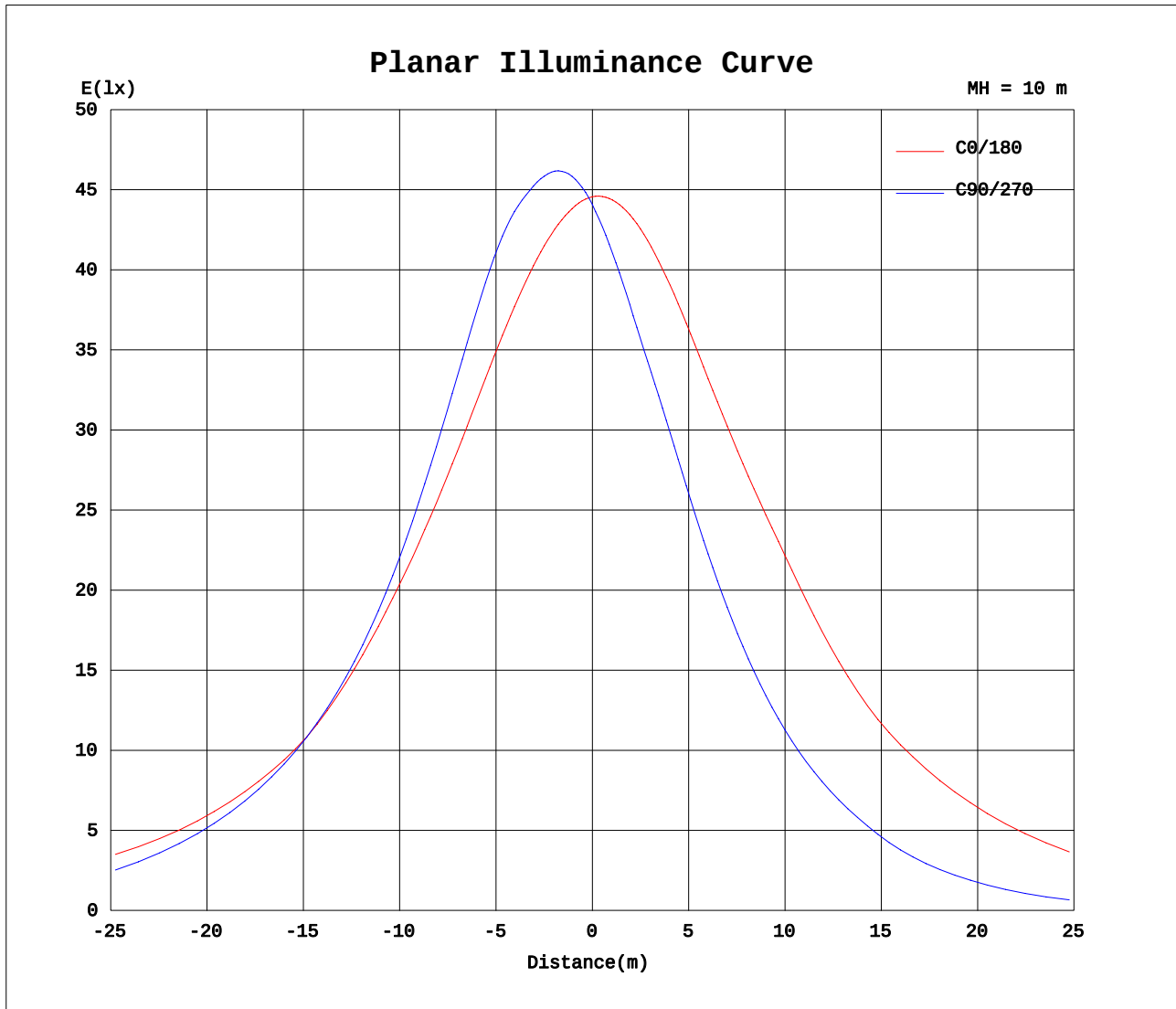
Test:U:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T4-P	DIM.: 540*230*65mm	SERIAL No.:
MFR.: AOK	SUR.:190*175mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

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



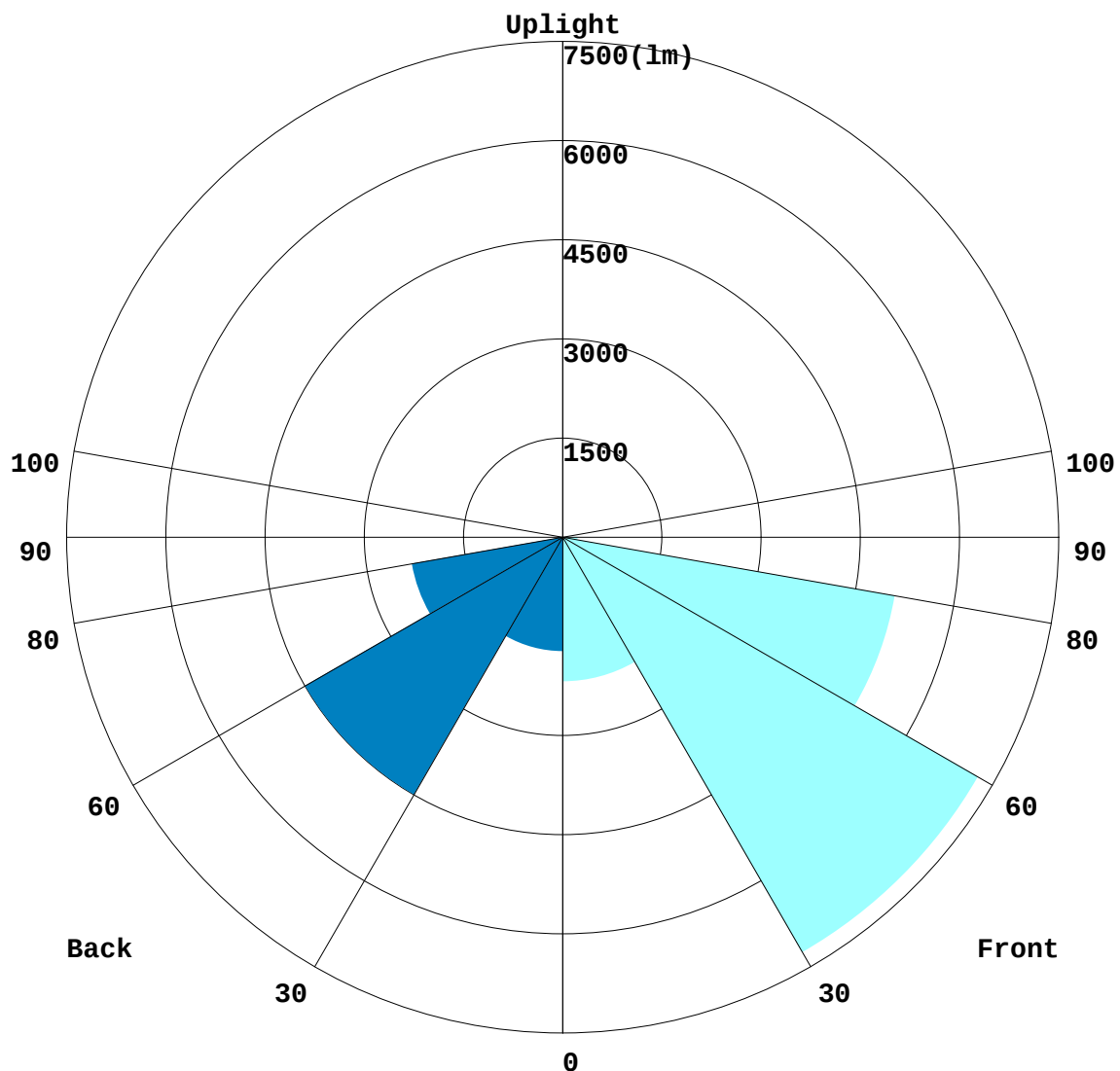
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WILA-NV-L3-00-4070-T4-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:2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T4-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)	2182.8	9.3
FM - Front-Medium(30-60)	7253.3	31.0
FH - Front-High(60-80)	5102.4	21.8
FVH - Front-Very High(80-90)	228.21	1.0
Total Forward Light	14767	63.2

BL - Back-Low(0-30)	1725.2	7.4
BM - Back-Medium(30-60)	4497.8	19.2
BH - Back-High(60-80)	2316.7	9.9
BVH - Back-Very High(80-90)	75.895	0.3
Total Back Light	8615.6	36.8

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	8615.6	0	8615.6
Street Side	14767	0	14767

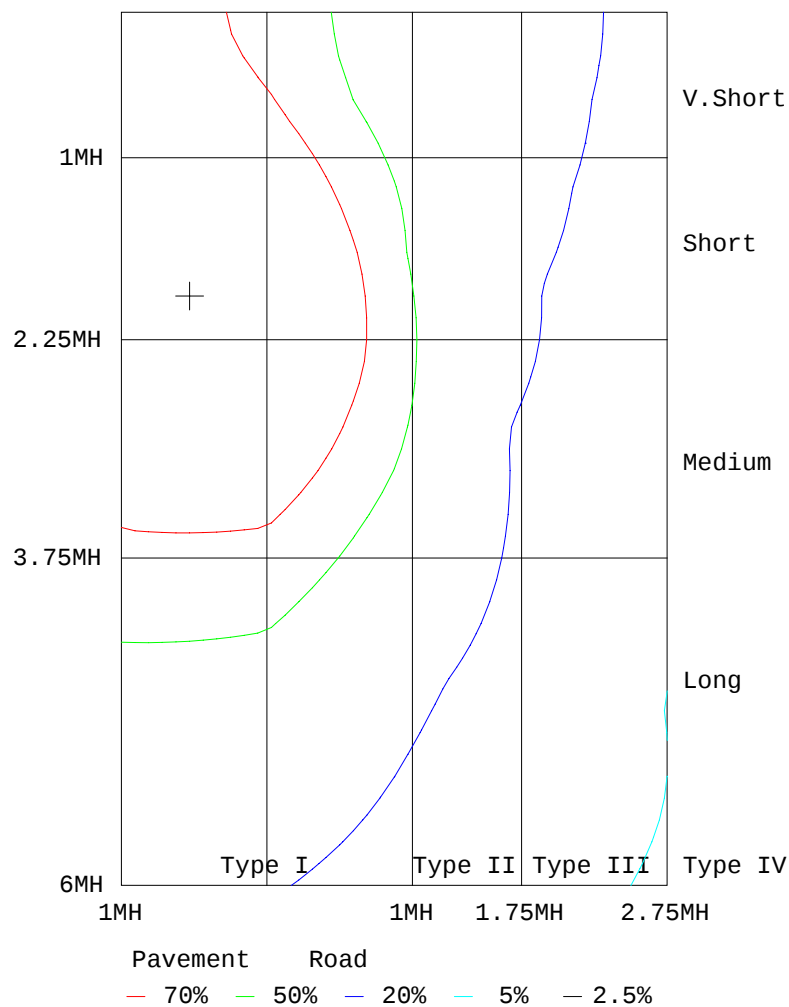
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Light:3.6kg
SPEC.:AOK-150W iLA-NV-L3-00-4070-T4-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:2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T4-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	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411
5	4406	4459	4511	4554	4587	4611	4621	4623	4611	4588	4552	4506	4451	4394	4340	4294	4253	4226	4212
10	4440	4547	4643	4719	4776	4817	4839	4845	4831	4792	4728	4637	4527	4409	4294	4194	4116	4062	4036
15	4515	4679	4818	4917	4990	5041	5074	5085	5075	5030	4945	4810	4636	4448	4262	4106	3988	3917	3888
20	4627	4854	5034	5158	5250	5311	5351	5361	5352	5307	5208	5026	4777	4507	4241	4019	3880	3813	3785
25	4775	5071	5297	5456	5561	5620	5662	5684	5684	5638	5517	5289	4957	4582	4213	3932	3780	3707	3677
30	4954	5333	5603	5749	5826	5868	5907	5952	5992	5993	5871	5587	5171	4679	4184	3846	3674	3593	3561
35	5164	5614	5895	5995	6026	6046	6076	6140	6224	6292	6244	5946	5447	4822	4176	3763	3565	3477	3445
40	5420	5929	6132	6177	6169	6170	6190	6265	6387	6523	6559	6396	5796	5009	4179	3678	3453	3354	3325
45	5705	6174	6298	6293	6255	6226	6239	6325	6484	6677	6801	6701	6202	5241	4190	3587	3322	3218	3191
50	5955	6333	6397	6367	6298	6250	6252	6353	6540	6782	6964	6907	6502	5475	4168	3461	3166	3059	3040
55	6104	6449	6478	6417	6329	6232	6214	6347	6580	6859	7093	7090	6705	5671	4094	3261	2939	2818	2802
60	6386	6676	6521	6426	6294	6129	6065	6246	6526	6868	7146	7326	7001	5791	3874	2920	2531	2349	2354
65	6590	6831	6627	6328	6011	5708	5551	5767	6168	6673	7095	7354	7103	5590	3362	2268	1893	1741	1753
70	6509	6668	6318	5855	5123	4445	4068	4437	5131	5959	6476	6850	6603	4732	2367	1394	1118	1000	986
75	5146	5529	5111	4375	2987	2158	1790	2138	2884	4119	4848	5044	4637	2865	1072	630	537	450	393
80	2424	2838	2655	1780	970	487	393	479	894	1546	2131	2137	1882	865	332	244	240	179	174
85	358	505	426	284	125	88.5	84.2	84.1	113	149	250	301	257	91.9	52.7	44.0	51.2	44.9	48.0
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:2022-08-09

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:219.3V I:0.6987A P:149.3W PF:0.9746 Freq:60.01Hz Lamp Flux:23382.4x1 lm		
NAME: AOK iLA	TYPE:iLA series LED Street Light	Weight:3.6kg
SPEC.:AOK-150WiLA-NV-L3-00-4070-T4-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	4411	4411	4411	4411	4411														
5	4214	4230	4261	4301	4351														
10	4042	4075	4138	4222	4327														
15	3893	3937	4031	4161	4331														
20	3789	3823	3926	4111	4361														
25	3683	3721	3825	4059	4406														
30	3569	3612	3725	4007	4468														
35	3455	3499	3630	3957	4559														
40	3334	3383	3535	3926	4672														
45	3201	3259	3437	3899	4812														
50	3051	3109	3315	3851	4951														
55	2825	2907	3134	3781	5090														
60	2376	2549	2856	3636	5283														
65	1783	1951	2318	3297	5294														
70	1026	1187	1499	2512	4843														
75	461	564	701	1271	3388														
80	185	263	282	408	1280														
85	47.6	62.1	52.6	68.6	136														
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:2022-08-09

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: